



Cat5e & Cat6 Gear
CATV Distribution
CCTV Equipment
CCTV Over Fiber
Character Generators
Coaxial Cable
Connectors & Adapters
Digital Signage
Emergency Alert Systems
Ethernet Over Coax
Ethernet Over Fiber
Ethernet Switches
Fiber Optic Equipment
HDBaseT™ Distribution
HDTV Distribution
Headend Equipment
Home Theater Accessories
IP Distribution
IP Cameras & Software
IP Surveillance
Modulators
Molding & Conduit
Network Video Recorders
Off Air Antennas
Racks & Cabinets
Satellite Dishes
Satellite Receivers
Satellite Distribution Equip.
Speakers & Audio Gear
Surge Protectors
Television Mounts
Test Equipment
Tools
UPS Battery Backups
Video Baluns
Wire & Cable
Wireless Internet

Catalog Version T125
Spring 2018

NACECOMM
Internet • Cloud Storage • VPN • Mobility • Network Services

Reliable High Speed Internet
See Page 4 For An Introduction

Dealer Commission Opportunities Available!



**Ask About Our New
System Advisor Sales App**



SECURITY TRONIX®
THE IMAGE OF QUALITY

NACE



(800) 688-9282

www.nace.tv sales@nace.tv



NACE Website



NACE Catalog



NACE Brands

West Chester, PA

St. Peters, MO

Las Vegas, NV



Cat5e & Cat6 Gear
 CATV Distribution
 CCTV Equipment
 CCTV Over Fiber
 Character Generators
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 Connectors & Adapters
 Digital Signage
 Emergency Alert Systems
 Ethernet Over Coax
 Ethernet Over Fiber
 Ethernet Switches
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 Speakers & Audio Gear
 Surge Protectors
 Television Mounts
 Test Equipment
 Tools
 UPS Battery Backups
 Video Baluns
 Wire & Cable
 Wireless Internet



web: www.nace.tv email: sales@nace.tv

West Chester, PA

St. Peters, MO

Las Vegas, NV

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Toll Free Order Line
(800) 688-9282

web: www.nace.tv
email: sales@nace.tv

West Chester, PA

St. Peters, MO

Las Vegas, NV

CCTV
Commercial Headend
Equipment Racks
Home Theater
Television Mounts
Cable & Connectors
Data & Networking
Meters & Tools
Amplifiers & Splitters
Outdoor Distribution
Satellite Distribution
Fiber Optic Equipment

North American Cable Equipment (NACE) is excited to introduce the NACE Communications Division – NACEComm, and its suite of high speed communications solutions. The first offering from NACEComm is high speed internet access (up to 1000 Mbps) for the NACE dealer network to market to commercial prospects. This opens up an opportunity for installation teams to expand product portfolios and generate recurring income. The NACEComm design team is available to assist dealers with site design and equipment quotes for end to end solutions. Commissions are available for qualified dealers.

The initial NACEComm offering consists of Managed and Unmanaged internet services:

Managed Internet Services (Plus) – With this end to end solution, NACEComm will supply high speed internet to a customer location, including a managed router and modem at the point of demarcation.

Unmanaged Internet Services (Basic) - NACE will supply high speed internet, and the subcontractor is responsible for supplying the router and other connectivity accessories throughout the property.

Subcontractor Requirements:

- The Subcontractor is required to qualify sales opportunities with NACEComm. This enables NACEComm to provide accurate property analysis and support for potential installations.
- The Subcontractor will survey prospective properties to determine bandwidth and service requirements using the NACEComm provided site survey.
- The Subcontractor remains the primary contact for the property and is responsible for tier 1 support. NACEComm serves as tier 2 support, and is available for questions and answers before and after a project is won.

NACEComm:

- NACEComm will provide a site survey the Subcontractor will utilize to obtain necessary information defining bandwidth and technical requirements.
- NACEComm will employ the provided data to determine optimal circuit size, speed, and capacity for the project in order to prepare property quotes.
- NACEComm will provide the Dealer/Agent with projected monthly costs to the customer, installation charges, one time fees, and commission potential for the Subcontractor.
- NACEComm will provide the required hardware based on service offering, and procure the high speed internet once the Subcontractor and property agree to terms and conditions, and deliver the required signed agreements.
- NACEComm will, manage implementation with the Subcontractor, and project manage the high speed internet setup and activation.
- NACEComm will provide tier 2 support in coordination with the network carrier ensuring site satisfaction, and will continue to be the second line of support ensuring service meets NACEComm standards once installed.
- NACEComm will provide all billing, collections, and ticket tracking capabilities for customers.

NACEComm Contact Info

(347) 817-4351

sales@nacecomm.com

www.nacecomm.com

Actively involved in the Video Surveillance market to bring you the most innovative & sophisticated surveillance technologies



SecurityTronix has one mission – to help our customers deliver excellent customer service so they can land the big contracts, strengthen their reputation as trusted leaders, and grow their businesses. Our focus is on customer projects – not just parts, on providing solutions that meet customer goals – not on low cost systems that help move inventory. We want to be your one-stop shop for ordering efficiency and all around business growth enablement. SecurityTronix is your trusted source for 24/7, 365 technical expertise, sales support, and quality equipment that you can rely on. Contact us today to learn why leading companies are making the switch to a customer-first approach, the SecurityTronix way.

Are You Ready to Grow Your Business?

SecurityTronix® System design experts will instantly provide quality support and guidance on complete video surveillance design solutions.



Full Commercial Grade System Design Services

Advantages of working with SecurityTronix:

- We assess each individual's application. Not all jobs are the same.
- We consider the environment and conditions in order to recommend the right products.
- We empower you with tools like our FREE System Advisor app to help educate and engage your customers in the decision process while giving you the ability to do a site survey on the spot resulting in a quick quote turnaround.
- Our team is fully trained and knowledgeable in Video Surveillance, Fiber Optic, Networking, Cable, Video Distribution and all products are under one roof.
- Our support team is in house, U.S. based, and a live person is available 24/7, 365 days a year.
- Are you ready to put your confidence in a company that has over 25 years of system design experience?
- Call now and speak with a trained & knowledgeable team member 610-429-1821 or email sales@securitytronix.com

We Do The Big Jobs!

Commercial System Designs!

Serving the industry for over 25 years!

Get it right the first time with SecurityTronix®!

SecurityTronix® Live Technical Support Available 24/7/365

Let Us Design Your System Today: (800) 688-9282

www.securitytronix.com

sales@securitytronix.com

3 Warehouse Locations - 2 Day Shipping to Most Areas!!

West Chester, PA

St. Peters, MO

Las Vegas, NV

Premier Dealer Partnership Program!

20% off all SecurityTronix® product purchases for an entire year.

No risk, no obligation, no penalties.

Save 20%, Become a Premier Dealer Today!

CCTV



Ready to get started?

Complete the online form at

<https://securitytronix.com/premier/>

call 800-688-9282 or scan the QR code.



Live U.S. Based Technical Support Committed to help You 24 hours a day - 7 days a week - 365 days a year!



**Warranty Repair
Services**



**Firmware
Updates**



**Full Product
Support**



**Online Chat
Bubble**

System Advisor

Your Sales Team's Secret Weapon



What is the System Advisor?

The bottom line as to whether you get a job over a competitor comes down to how well you're able to prove to that customer that you will be delivering a solution that meets their needs and addresses the issues and concerns they have in their business.

You're not just trying to sell them a pile of cameras—you're helping them solve problems—problems like security concerns, monitoring high traffic areas and high value areas, or even safeguarding against liability issues like insurance claims that take place in their currently-unmonitored stairwells.

So how do you get your sales team to transition from "equipment" sales to "solution" sales? How do you help them probe for upsell opportunities that can add 25% or more to your deal sizes? How do you arm them with the knowledge to explain the benefits of the industry's leading equipment systems which they might not have ever seen in person? And how do you get them to convince a customer that they're offering a well-rounded solution that meets that customer's needs?

With the ultimate sales-enablement tool for the CCTV industry—the new secret weapon on the security sales scene—**System Advisor** from SecurityTronix.

"An educated customer buys more of the right cameras to protect their property."

- Survey every job and spec the right equipment the first time!
- Have all of the right equipment, wiring and accessories on site at the start of every job
- Educate the customer with video feed samples of typical installations – sell more cameras, provide better coverage!
- No more drywall patching – install every camera in the right location the first time!
- No more guessing how much storage is needed! Calculate actual storage needs in an instant.
- Need on-the-job-help, one touch access to SecurityTronix experts!



System Advisor Helps Your Sales Team Capture Upsell Opportunities



SALES ENABLEMENT

System Advisor is the ideal sales companion delivering tools to support your sales presentation, capture high quality and complete site surveys, and drive toward upsell opportunities. Show your customer that you know the equipment and can make informed suggestions that will help them achieve their goals.



SITE SURVEY

Our step-by-step Site Survey tool lets you capture a complete and accurate assessment of the potential system requirements for your specific job—including optional added equipment that helps address the customers' baseline needs.



PRODUCT SELECTOR

System Advisor helps you suggest the right equipment for the job—the first time, every time. So when ready, all equipment, wiring and accessories arrive on site and enable you to install without problems or the need for quick resupply trips across town.



STORAGE CALCULATOR

The handy and easy-to-use Storage Calculator quickly gives you an accurate forecast of the amount of data storage the customer will need to accommodate their security monitoring needs and goals. With a few simple clicks, you get fast answers right down to the last Megabyte.



CAMERA DEMONSTRATION

Educate the customer with actual video feed samples of typical installations. This helps you quickly convey the true differences of types of camera roles—from observing to recognizing to identifying. Seeing these differences first hand helps customers make good decisions—and helps you sell more cameras that provide better coverage!



UPSELL DRIVER

System Advisor is a wealth of knowledge in your hands. It's like having a complete demonstration and sales presentation platform ready to go at a moment's notice. Show your customer different types of equipment and their varying roles, and provide them peace of mind that they're buying from someone who knows what's best for their goals.

Dealer Volume Discount Program

Get rewarded for making purchases you already had planned!

5% OFF

When you purchase over \$1,000 in SecurityTronix product!

5% OFF +Free Shipping

When you purchase over \$2,500 in SecurityTronix product!

10% OFF +Free Shipping

When you purchase over \$5,000 in SecurityTronix product!

*Qualified Distributor volume discounts available. Free Ground Freight only applies to accounts within the contiguous USA.

Private labeling opportunities for Dealers and Distributors*:

Have the products you buy from SecurityTronix® branded with YOUR company logo! We now offer your logo to be placed on select components with volume orders

This includes:

- Customized boxes with YOUR information and part number
- User manuals branded for you
- Silk screen or labels placed on products.

*Order minimums apply

Need unbranded products?

We now supply logo free products. Product available in IP, CVI and TVI technologies. Products ship without branding on the housings or packaging. Discounts available for volume orders.



Lead Referrals

Here at SecurityTronix® we strive to build and grow the relationships we have with localized dealers and distributors. We push leads and installation opportunities within reach of the customer to continue the expansion of the U.S. CCTV Surveillance Industry!

Contract Referrals

We are in coordination with State and Federal regulators to introduce the newest and most sophisticated products while channeling any installation and outside product opportunities out to dealers and distributors in those local areas!

Key Features:

- Easily aim and focus your camera at the camera
- View IP, TVI, SDI, CVI, AHD & Analog cameras
- HDMI Input & HDMI output
- H.264 / H.265
- IP Camera discovery, IP address scanning
- ONVIF 2.4 & RTSP compatible
- PoE and 12VDC 2A power outputs supply power directly to cameras
- Built-in WiFi, Built-in web browser
- CoC (Control over Coax)
- PTZ Control: pan, tilt & zoom, focus adjustment
- Supports Pelco D/P
- Video record and playback, camera image snapshot
- 8GB Micro SD card (included)
- Enhanced PAL/NTSC color bar generator
- Ping testing, port flashing
- PoE switch voltage testing
- Cat5 Continuity testing
- Cable search
- 2 Year limited warranty

\$689.00 ea.

Ordering Information:

ST-ALLIN1-TEST2	Test Meter For Analog, TVI, CVI, AHD, SDI & IP With Integrated Video Monitor & Multi-Meter
ST-IP-TEST-BATTERY2	Replacement battery for ST-ALLIN1-TEST2
ST-IP-TEST-PS	Replacement power supply for ST-ALLIN1-TEST2
ST-IP-TEST-SP2	Screen protector for ST-ALLIN1-TEST2

IP BUDDY+ ALL IN 1

7" Touchscreen Camera Installation & Network Troubleshooting Tool, Supports TVI, CVI, AHD, SDI, IP & Analog Video With Integrated Digital Multi-Meter



Features:

- 7 inch LCD touch screen 1920 x 1200
- Supports up to 12MP for IP cameras
- ONVIF IP camera test
- Test H.264/MPEG4/MJPEG IP cameras
- Built in Wi-Fi can receive images from wireless cameras as well as ONVIF and customized IP cameras
- Simultaneous IP and analog camera testing
- RJ45 Cable TDR test
- WiFi access point
- HDMI input and output
- H.264 / H.265
- 10/100/1000mbps self-adaptive
- Supports more than 30 protocols such as PELCO-P, PELCO-D, SAMSUNG etc
- Video image magnification enables detailed viewing
- Snapshot and save images as JPG files in an SD card, video record and playback
- Removable micro SD card
- PoE voltage test
- Audio input and output test
- DC12V 2A output to power cameras
- PoE power output, supplies temporary power for PoE cameras
- Supports RS232/RS485, Rate 600 - 115,200bps adjustable
- Enhanced Color bar generator, video generator, eight-system switchable, transmit/receive eight-system colorful images
- 2 Year Limited Warranty

\$490.00 ea.

Ordering Information:

ST-IP-TEST2	IP Buddy+ IP & Analog Surveillance Camera Test Monitor & Installation Tool
ST-IP-TEST-BATTERY2	Replacement Battery
ST-IP-TEST-PS	Replacement AC Charger
ST-IP-TEST-SP2	Screen Protector for ST-IP-TEST Meter, Pack of 3

IP Buddy+

7" Touch Screen IP & Analog Camera Installation & Network Troubleshooting Tool



Features:

- Perfect for testing analog, IP, HD-TVI, HD-CVI & AHD cameras
- 4.3 inch LCD touch screen display with 960 x 540 resolution
- Displays ONVIF IP camera image, ONVIF PTZ controller
- H.264 / H.265
- Built-in WiFi to receive network image and data
- WiFi Access point
- RJ45 TDR testing
- Supports IP up to 12MP, TVI & CVI up to 8MP (4K) and AHD up to 5MP
- Capable of simultaneous IP and analog camera testing
- Supports more than 40 customized IP cameras protocols
- Supports mobile apps to view IP camera images
- Network bandwidth testing
- FTP Server, Static IP address, DHCP, simultaneously test different segments IP cameras
- PoE 24W power supply to IP camera
- HDMI input and HDMI output
- Led Lamp, easy to operate at night
- Removable Micro SD card
- LCD screen brightness/contrast/color saturation control
- Automatically adapts and displays NTSC or PAL video formats
- 4x zoom to magnify video for detailed viewing (only for analog video test)
- Video record and playback (only for analog video test)
- Snapshot and save images as JPG files in the SD card (only for analog video test)
- PING testing, test IP cameras or network devices' via ethernet port for IP address and link confirmation
- IP address scan, quickly search for connected IP cameras and other network devices
- Device Port flicker, easily find connected PoE switch ports by sending a signal to flicker the connected PoE port
- Audio input test, test the audio signal from pickup devices

\$449.00 ea.**Ordering Information:**

ST-HDoC-TEST-MINI2	4.3" Touch Screen Test Meter For Analog, IP, HD-TVI, HD-CVI & AHD Cameras
ST-HDoC-TEST-BATTERY2	Replacement battery for ST-HDoC-TEST-MINI2 meter
ST-HDoC-TEST-MINI-SP2	Screen protector for ST-HDoC-TEST-MINI, Pack of 3

**Features:**

- 3.5 inch screen display, 480 x 320 resolution
- Perfect for testing analog, HD-TVI, HD-CVI, HD-SDI and AHD cameras
- Adjustable LCD screen brightness / contrast / color saturation
- Automatically adapts and displays NTSC and PAL video formats
- Integrated Multimeter
- Enhanced Color bar generator
- HD coaxial test, analog PTZ control, color bar generator shortcut key
- F1, F2 user-defined key
- PTZ control and PTZ protocol analysis, PTZ address scan and ID search
- Multi-protocol. Supports more than thirty PTZ protocols including PELCO-P and PELCO-D
- PTZ protocol analysis, control protocol command displays to check RS485 transmission
- PTZ control. Pan/tilt the PTZ unit, zooms in/out the lens, adjusts the focus, aperture and set the preset position
- Network cable and Telephone cable testing, display sequence of connections and the number of LAN cables
- Supports RS232/RS485, baud rate 600 - 115200bps adjustable
- Built in Lithium Ion Polymer Battery (3.7V DC 3000mAh)
- Employs advanced power control and protection circuit
- Battery life up to 11 hours of normal use after charging for 3 - 4 hours
- Audio input test, tests the audio signal from pickup devices
- 2 Year Limited Warranty

\$309.00 ea.**Ordering Information:**

ST-HDoC-MM	3.5" Test Meter For Analog, TVI, CVI, AHD, SDI & Analog With integrated Multi-Meter
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CCTV Installation Meter Comparison

Camera & Network Installation Trouble Shooting Tools

Features	Display Size	IP Camera Testing	Analog Video Testing	CVI Testing	TVI Testing	AHD Testing	SDI Testing	Internal PoE	Multi Meter	Cable Tracer	WiFi	Battery Type
IP Buddy+ Series  ST-IP-TEST2	7" LCD Touch Screen	✓	✓	N/A	N/A	N/A	N/A	✓	N/A	✓	✓	5000mAh
 ST-HDoC-TEST-MINI2	4.3" LCD Touch Screen	✓	✓	✓	✓	✓	N/A	✓	N/A	N/A	✓	5000mAh
HD BOSS Series  ST-HDoC-MM	3.5" TFT LCD Screen	N/A	✓	✓	✓	✓	✓	N/A	✓	N/A	N/A	3000mAh
All-in One Meter  ST-ALLIN1-TEST2	7" LCD Touch Screen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5000mAh

We Stand Behind Our Products!

Every test meter comes standard with a free 30 minute overview to help you discover all of the ways it will help you as well as 24/7/365 Live Technical Support.



Power Supply Adapter Plates for 12V, 2A SecurityTronix Meter Power Supplies (Power supply not included)

Works with:

ST-IP-TEST
ST-IP-TEST2
ST-SDI-TEST
ST-HDoC-MM
ST-HDoC-TEST-MINI
ST-HDoC-TEST-MINI2
ST-HDoC-TEST-MM
ST-ALLIN1-TEST
ST-ALLIN1-TEST2



ST-IP-TEST-ADAP-AUST

Power supply adapter plate for 12V, 2A power supply to fit Australian electrical sockets



ST-IP-TEST-ADAP-EURO

Power supply adapter plate for 12V, 2A power supply to fit European electrical sockets



ST-IP-TEST-ADAP-UK

Power supply adapter plate for 12V, 2A power supply to fit UK electrical sockets

ST-HDC TVI 4, 8 & 16 Channel Recorders Support TVI, CVI, AHD, IP and Analog Cameras

SECURITY TRONIX®
THE IMAGE OF QUALITY

HD-COAXINATOR TVI™

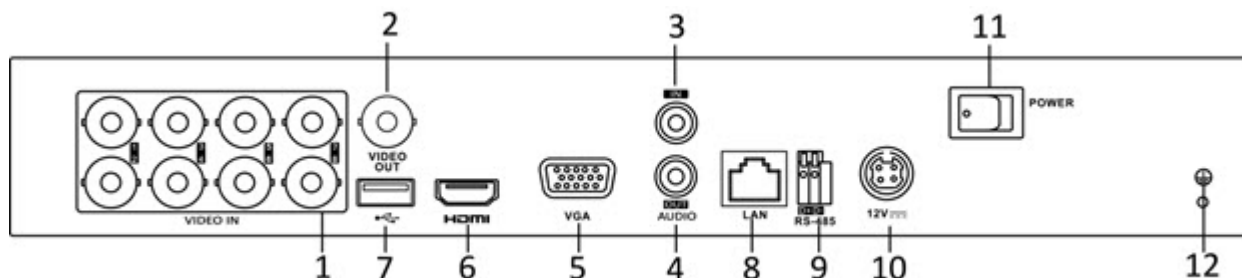
Key Features:

- Compatible with HD-TVI, CVI, AHD, IP and analog cameras
- Supports HDCAM-C protocol for connecting cameras over coax
- H.264+ compatible for high video quality with low bitrates
- Simultaneous HDMI, VGA and CVBS outputs
- HDMI/VGA output at up to 1920 x 1080p resolution for ST-HDC4 and ST-HDC8; up to 4K (3840 x 2160) resolution for ST-HDC16
- One-key recording configurable
- Main stream and sub-stream parameters configurable for simultaneous recording
- Supports channel-zero encoding
- Supports 1080p lite mode for real-time 1080p lite and 720p lite resolution
- Instant playback for assigned cameras during multi-channel live view mode
- Up to 4/8/16-ch synchronous playback at 1080p resolution
- Playback at up to 256X speed
- Main stream and sub-stream selectable for local/remote playback
- Playback by smart search and VCA search
- Customization of tags, searching and playing back by tags
- Manual video quality diagnostics
- Supports locking and unlocking of video files
- HDD quota and group management; different capacity can be assigned to different cameras under quota mode
- One SATA interface provided for ST-HDC4 / ST-HDC8; two SATA interfaces provided for ST-HDC16
- One RJ45 10M/100Mbps self-adaptive network interface for ST-HDC4 / ST-HDC8 and one RJ45 10M/100M/1000Mbps self-adaptive network interface for the ST-HDC16
- Supports access via Cloud P2P
- Supports SIMPLE DDNS (Dynamic Domain Name System)



4 Channel TVR \$78.00 ea.
8 Channel TVR \$115.00 ea.
16 Channel TVR \$237.00 ea.

24 / 7 / 365 Support!



- | | |
|----------------------|----------------------------|
| 1. Video Inputs | 7. USB Interface |
| 2. Video Output | 8. LAN Network Interface |
| 3. Audio Input, RCA | 9. RS-485 Serial Interface |
| 4. Audio Output, RCA | 10. 12VDC Power Input |
| 5. VGA Interface | 11. Power Switch |
| 6. HDMI Interface | 12. Ground |

* TVR-AR314-8 Eight input recorder shown above. Rear panel of 4 and 16 input unit provide 4 and 16 individual video inputs respectively.

Ordering Information:

ST-HDC4	4 Channel recorder for TVI, CVI, AHD, IP and Analog
ST-HDC8	8 Channel recorder for TVI, CVI, AHD, IP and Analog
ST-HDC16	16 Channel recorder for TVI, CVI, AHD, IP and Analog

WD10PURX	1TB Hard drive
WD20PURX	2TB Hard drive
WD30PURX	3TB Hard drive
WD40PURX	4TB Hard drive
WD60PURX	6TB Hard drive

HD-TVI Series Cameras

HD 1080p Video Over Coaxial Cable



CCTV



\$102.00

ST-HDC2VFD-MZ

2MP HD-TVI Motorized Lens IR
Dome Camera



\$94.00

ST-HDC2VFB-MZ

2MP HD-TVI Motorized Lens
IR Bullet Camera



\$57.00

ST-HDC2FB-EXIR 3.6mm lens
ST-HDC2FB-EXIR-2.8 2.8mm lens

2MP HD-TVI Fixed Lens
IR Bullet Camera



\$53.00

ST-HDC2FTD 4mm Lens
ST-HDC2FTD-2.8 2.8mm Lens

2MP HD-TVI Fixed Lens
IR Turret Dome Camera



\$46.00

ST-HDC2FB 3.6mm lens
ST-HDC2FB-2.8 2.8mm lens

2MP HD-TVI Fixed Lens
IR Mini-Bullet Camera



\$52.00

ST-HDC2FD 3.6mm lens
ST-HDC2FD-2.8 2.8mm lens

2MP HD-TVI Fixed Lens
IR Dome Camera



\$80.00

ST-HDC2VFTD 3.6mm Lens
ST-HDC2FTD-2.8 2.8mm Lens

2MP HD-TVI Vari-focal Lens
IR Turret Dome Camera



\$88.00

ST-HDC2VFTD-MZ
2MP HD-TVI Motorized Lens
IR Turret Dome Camera



\$555.00

ST-HDC2IRPTZ
2MP HD-TVI
Outdoor IR
PTZ Camera

ST-HDC2PTZFMC

2MP HD-TVI
Indoor PTZ
Camera

\$345.00

Also Available
ST-HD1PTZFMC
1MP HD-TVI
Indoor PTZ Camera



ST-HDC2PTZ

2MP HD-TVI
Outdoor
PTZ Camera

\$345.00

Also Available
ST-HD1PTZ
1MP HD-TVI
Outdoor PTZ Camera



HD-COAXINATOR TVI™

SECURITY TRONIX®
THE IMAGE OF QUALITY

HD-TVI Dome Wall Mount Brackets & Junction Boxes

\$28.00



ST-WM1

Dome Camera Wall mount
Works with ST-HDC2FD
Dome Camera

\$19.60



ST-WM2

Dome Camera Wall mount
Works with ST-HDC2FTD-2.8,
ST-HDC2FTD, ST-HDC2VFTD
& ST-HDC2VFTD-MZ
Dome Cameras

\$34.00



ST-WM4

Dome Camera Wall mount
Works with ST-HDC2VFTD-MZ
Dome Cameras

\$9.79



ST-JB1

Junction Box for
ST-HDC2FD Dome Camera

\$17.60



ST-JB2

Dome Camera Wall mount
Works with ST-HDC2FTD-2.8,
ST-HDC2FTD, ST-HDC2VFTD
& ST-HDC2VFTD-MZ Dome Cameras

\$17.50



ST-JBMB

Junction Box for
ST-HDC2FB Mini Bullet Camera

HD-TVI PTZ Camera Mounts

For Use With ST-HDC2PTZ & ST-HDC2IRPTZ Cameras



ST-PTZJBWP

\$82.00 ea.
PTZ Junction Box
15.61" x 8.23" x 12.20"
Includes ST-PTZWML
PTZ wall mount



ST-PTZWML

\$28.00 ea.
PTZ Wall Mount, Long
3.81" x 7.16" x 12.0"



ST-PTZPMPL

\$37.00 ea.
PTZ Pole Mount
5" x 1.81" x 9.84"



ST-PTZCRMPL

\$37.00 ea.
PTZ Corner Mount
6.81" x 4.13" x 7.64"



ST-PTZCMS

\$28.00 ea.
PTZ Ceiling Mount, Short
4.6" x 7.87"



ST-PTZCML

\$28.00 ea.
PTZ Ceiling Mount, Long
4.6" x 19.68"

SECURITY TRONIX®
THE IMAGE OF QUALITY

ST-TVI-VC HD-TVI Video Converter

ST-TVI-VC Features:

- Allows user to connect a TVI camera directly to a monitor or TV via HDMI cable, no recorder needed
- Allows for spot monitoring
- 1 TVI Input, 1 TVI loop through output, 1 HDMI output
- Supports HD-TVI video transmissions including V2.0
- Lossless, uncompressed transmission
- LED Indicators

\$69.00



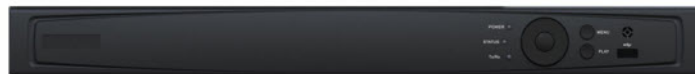
The ST-TVI-VC video converter has been designed to accept a single HD-Coaxinator TVI signal and provide an HDMI output. A single HD-TVI BNC video input is processed to provide one HD-TVI output (BNC) and one HDMI output. The ST-TVI-VC is perfect for converting an HD-TVI video source to an HDMI signal to allow viewing at a monitor that does not have an HD-TVI input. The ST-TVI-VC is perfect for spot monitoring applications. A spot monitor is a secondary monitor which connects to the recorder and displays camera image. These are commonly seen in retail store entrances. Many TVR recorders do not have a spot monitor output built in so the ST-TVI-VC can be sold separately if customer has an application requiring a spot monitor.

ST-EZ Connect II 4, 8 & 16 Channel NVR with Integrated PoE



Key Features:

- Plug and Play-Auto detect SecurityTronix IP cameras
- ONVIF 2.4 (Profile S) compatible
- Third-party network cameras supported
- CMS (Centralized Management Software) - Ability to view and manage multiple NVR's and IP cameras
- Easy Smartphone setup with P2P QR scan
- Built in 4, 8, or 16 PoE ports (802.3af/at standard)



4 Channel NVR **\$127.00 ea.**

8 Channel NVR **\$194.00 ea.**

16 Channel NVR **\$307.00 ea.**

24 / 7 / 365 Support!

Ordering Information:

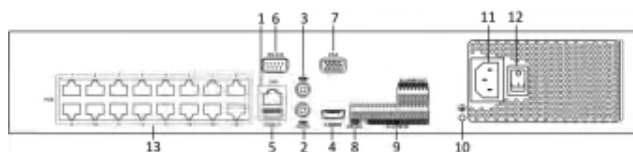
ST-EZ4	4 Channel NVR with integrated 4 port PoE (1 HDD - 4TB Max)
ST-EZ8	8 Channel NVR with integrated 8 port PoE (2 HDD - 8TB Max)
ST-EZ16	16 Channel NVR with integrated 16 port PoE (2HDD - 8TB Max)



ST-EZ32 32 Channel NVR with Integrated 16 Port PoE

Key Features:

- Plug and Play-Auto detect SecurityTronix IP cameras
- CMS (Centralized Management Software) Ability to view and manage multiple NVR's and IP cameras
- Easy Smartphone setup with P2P QR scan
- Third-party network cameras supported
- Built in 16 PoE ports (AF/AT Standard)



HD Input

- H.265/H.264/MPEG4 video formats
- ONVIF 2.4 (Profile S) compatible
- 12MP maximum recording resolution

HD Output

- HDMI and VGA outputs provided
- HDMI Video output at up to 4K (3840 × 2160) resolution

HD Storage

- Up to 4 SATA interfaces connectable for recording and backup Max 24TB

Network Interface

- 1 self-adaptive 10M/100M/1000M network interface
- 16 independent PoE network interfaces (802.3AT)

\$598.00

Physical Interfaces

Index Description

- 1 LAN Network Interfaces
- 2 AUDIO OUT
- 3 AUDIO IN
- 4 HDMI Interface
- 5 USB 3.0 Interface
- 6 RS-232 Serial Interface
- 7 VGA Interface
- 8 RS-485 Serial Interface
- 9 ALARM IN and ALARM OUT
- 10 GND
- 11 100~240VAC Power Input
- 12 Power Switch
- 13 Network Interfaces with PoE function

WD10PURX	1TB Hard drive
WD20PURX	2TB Hard drive
WD30PURX	3TB Hard drive
WD40PURX	4TB Hard drive
WD60PURX	6TB Hard drive

Ordering Information:

ST-EZ32 32 Channel NVR with 16 PoE Ports (4HDD - 24TB Max)



Commercial Grade Network Video Recorder

Key Features:

- Up to 128 IP cameras can be connected.
- Supports live view, storage, and playback of connected cameras at up to 12 megapixels resolution.
- Simultaneous HDMI 1/VGA output as the main output secondary HDMI as auxiliary output.
- Video outputs at up to 4K (4096×2160) resolution.
- Supports playback of up to 20 channels at 1080p resolution.
- Supports hot swapping of hard drives.
- Redundant power supplies.
- 4 Network interfaces for load balancing and redundancy.



\$3,950.00

**RAID
Mirroring**

Massive Storage Capacity:

- Up to 16 SATA hard drives can be connected, for both recording and backup.
- Max: 96TB, Max: 6TB per HDD bay

System Stability:

- Swappable HDD design provides for a convenient HDD installation/maintenance
- Unique chassis based on patented design ensures environmentally friendly and low-noise operation.
- Adopts professional embedded hardware, software, & dual-OS design to ensure the reliability of system operation.
- Supports a redundant power supply to improve system stability.
- Includes Automatic Network Replenishment technology to enhance storage reliability when the network is disconnected.
- Supports HDD hot swap with RAID 0, 1, 5, 6, and 10 storage configurations.

Ordering Information:

NVR-128 128 Channel NVR

High Quality Western Digital Purple Grade Hard Drives

SUPERIOR STORAGE. SUPERIOR SURVEILLANCE.

Built for 24/7, always-on, high-definition security systems. With a supported workload rate of up to 180 TB/yr and support for up to 32 HD cameras, WD Purple drives are optimized for surveillance systems.



Model #	Capacity	Interface	RPM Class	Price
WD60PURX	6TB	SATA 6Gb s	IntelliPower	\$289.00
WD40PURX	4TB	SATA 6Gb s	IntelliPower	\$175.00
WD30PURX	3TB	SATA 6Gb s	IntelliPower	\$125.00
WD20PURX	2TB	SATA 6Gb s	IntelliPower	\$99.00
WD10PURX	1TB	SATA 6Gb s	IntelliPower	\$72.00

The Right Drive for the Job

WD Purple drives have been engineered specifically for the extreme demands of high temperature, 24/7 surveillance systems.

Performance You Can Trust

From a worldwide leader in the storage industry, WD Purple is engineered for quality video playback when you need it most.

Expand Your View to 32

WD Purple drives are optimized to support up to 32 HD cameras, giving you flexibility to upgrade or expand your security system.



*HDD purchases are limited to the number of bays on the recorder(s) purchased.

IP Series Cameras

SECURITY TRONIX®
THE IMAGE OF QUALITY

CCTV



\$88.00

ST-IP2FB 4mm Lens
ST-IP2FB-2.8 2.8mm Lens
2MP IP Fixed Lens
Mini-Bullet Camera with IR



\$126.00

ST-IP4FB 4mm Lens
ST-IP4FB-2.8 2.8mm Lens
4MP IP Fixed Lens
Mini-Bullet Camera with IR



\$88.00

ST-IP2FD 4mm Lens
ST-IP2FD-2.8 2.8mm Lens
2MP IP Fixed Lens Mini-Dome
Camera with IR



\$199.00

ST-IP2VFD
2MP IP 2.8mm - 12mm Varifocal
Dome Camera with IR



\$299.00

ST-IP4VFD-MZ
4MP IP 2.8mm - 12mm Motorized
Varifocal Lens Dome Camera with IR



\$126.00

ST-IP4FD 4mm Lens
ST-IP4FD-2.8 2.8mm Lens
4MP IP Fixed Lens Mini-Dome
Camera with IR



\$196.00

ST-IP2VFB
2MP IP 2.8mm - 12mm Varifocal
Bullet Camera with IR



\$299.00

ST-IP4VFB-MZ
4MP IP 2.8mm - 12mm Varifocal Lens
Bullet Camera with IR



\$99.00

ST-IP2FTD 4mm Lens
ST-IP2FTD-2.8 2.8mm Lens
2MP IP Fixed Lens
Turret Dome Camera with IR



\$152.00

ST-IP2FWD
2MP IP 2.8mm Fixed Lens IR
Wedge Dome Camera



\$163.00

ST-IP4FWD
4MP IP 2.8mm Fixed Lens IR
Wedge Dome Camera



\$149.00

ST-IP4FTD 4mm Lens
ST-IP4FTD-2.8 2.8mm Lens
4MP IP Fixed Lens
Turret-Dome Camera with IR

IP Series Cameras

SECURITY TRONIX®
THE IMAGE OF QUALITY

ST-IP2PTZC

2MP IP
Outdoor
PTZ
Camera



\$454.00

ST-IP2IRPTZ-30

2MP IP
Varifocal
PTZ
IR Dome
Camera



\$833.00

ST-IP2PTZ

2MP IP
Varifocal
PTZ
Dome
Camera



\$667.00

ST-IP2PTZFMC

2MP IP
Indoor PTZ
Camera



\$454.00



Features:

- 2MP High Resolution
- 1080p HD Resolution
- 20X Optical zoom
- 16X Digital zoom
- True Day/Night
- 3D DNR & DWDR
- IP66 Weather rating
- PoE Compatible
- 3D Intelligent positioning

ST-IP6FE 6MP Fisheye Network Camera with IR

Features:

- 1/1.8" progressive scan CMOS
- 6 megapixel image sensor
- Up to 3072 × 2048 real-time streaming
- 360° view angle
- Multiple viewing modes
- Multiple ePTZ streams with preset and patrol functions
- Ceiling, Wall or Table mount modes
- Up to 15m IR range
- Built-in microphone & speaker

\$535.00



ST-USB-KB Pan-Tilt-Zoom Camera Controller

Features:

- Power and communication via USB port
- 3D PTZ control and 2 joystick control buttons.
- Up to 15 programmable buttons
- LED Indicators to show the operation status of keyboard
- Compatible with a various kinds of client software and platform software
- Supports USB HID protocol
- Controls TVI (CoC) and IP PTZ cameras via USB

\$220.00



ST-IP2IRPTZ

2MP IP
Varifocal
PTZ
IR Dome
Camera



\$722.00

Features:

- 2MP High Resolution
- 1080p HD Resolution
- 20X Optical zoom,
- 16X Digital zoom
- True Day/Night
- 3D DNR & DWDR
- IP66 Weather rating
- PoE Compatible
- 3D Intelligent positioning

IP Dome Camera Wall Mount Brackets & Junction Boxes



\$28.00



ST-WM1

Dome Camera Wall mount
Works with ST-IP2FD & ST-IP4FD
Dome Cameras



\$19.60



ST-WM2

Dome Camera Wall mount
Works with ST-IP2FTD &
ST-IP4FTD Dome Cameras



\$34.00



ST-WM3

Dome Camera Wall mount
Works with ST-IP2VFD &
ST-IP4VFD-MZ
Dome Cameras



\$9.79



ST-JB1

Dome Camera Junction Box
Works with ST-ST-IP2FD &
ST-IP4FD Dome Cameras



\$17.60



ST-JB2

Dome Camera Wall mount
Works with ST-IP2FTD &
ST-IP4FTD Dome Cameras



\$9.79



ST-JB3

Dome Camera Junction Box
Works with ST-IP2VFD &
ST-IP4VFD-MZ Dome Cameras



\$17.50



ST-JBMB

Junction Box for
ST-IP2FB & ST-IP4FB
Mini Bullet Cameras



IP PTZ Camera Mounts

For Use With ST-IP2IRPTZ-30, ST-IP2PTZ, ST-IP2IRPTZ & ST-IP2PTZC Cameras



ST-PTZJBPW

\$82.00 ea.

PTZ Junction Box
15.61" x 8.23" x 12.20"
Includes ST-PTZWML
PTZ wall mount



ST-PTZWML

\$28.00 ea.

PTZ Wall Mount, Long
3.81" x 7.16" x 12.0"



ST-PTZPMPL

\$37.00

PTZ Pole Mount
5" x 1.81" x 9.84"



ST-PTZCRMPL

\$37.00

PTZ Corner Mount
6.81" x 4.13" x 7.64"



ST-PTZCMS

\$28.00 ea.

PTZ Ceiling Mount, Short
4.6" x 7.87"



ST-PTZCML

\$28.00

PTZ Ceiling Mount, Long
4.6" x 19.68"





100Mbps Unmanaged Power over Ethernet (PoE) Switches

Features:

- Built in extension, provides PoE up to 820'
- IEEE 802.3at and IEEE 802.3af Power over Ethernet (PoE) compliant
- Up to 30 watts per PoE port
- 4 kV surge protection for PoE ports
- IEEE 802.3x flow control support
- Plug-and-play installation
- Sturdy metal enclosure
- 1 Year warranty

Ordering Information:

ST-POE4	4 Port PoE Switch
ST-POE8	8 Port PoE Switch
ST-POE16	16 Port PoE Switch
ST-POE24	24 Port PoE Switch



5 Port Switch,
4 Port PoE
ST-POE4

\$89.00



18 Port Switch,
16 Port PoE
ST-POE16

\$339.00



9 Port Switch,
8 Port PoE
ST-POE8

\$172.00



26 Port Switch,
24 Port PoE
ST-POE24

\$405.00

PoE

AT/AF



Steady Supply



Buffer Optimization



250m



Data Transmission Guarantee



Managed Gigabit Power over Ethernet (PoE) Switches

Features

- Excellent performance
- 64Gbps backplane capacity; non-blocking design; video streaming forwarding at full speed
- Gigabit optical-fiber transmission with up to 120Km distance; High security and reliability
- Providing multiple user authentication modes such as 802.1x authentication
- Port-MAC-IP bind
- Special ARP invasion detection to effectively stop ARP cheat; Flexible with various management options
- Adopts cluster technology, supported device stacking and uses a unified IP address for management
- Multiple management modes such as Console port, Telnet, Web and SNMP; Powerful flow and broadcast management
- Automatically detects and controls broadcast storms, monitoring IGMP packets and effectively prevents broadcast packet flooding
- Flow control in full-duplex mode or half-duplex mode
- The rate limitation in a minimum step of 64K is supported on the Ethernet port
- IP multicast and QoS; Varied protocols
- 802.3af power supply on all ports
- 802.3at power supply with the maximum power supply on each port reaching up to 30W
- Configurable power supply priority guarantees, continuous power supply at key network nodes
- Configurable power consumption to save power and user cost

Ordering Information:

ST-POE8M	8 Port Managed PoE Switch
ST-POE24M	24 Port Managed PoE Switch



8 Port Managed
PoE Switch
ST-POE8M

\$405.00



24 Port Managed
PoE Switch
ST-POE24M

\$760.00

DT-SFP-GIG-SM-DX-LC Cisco switch protocol

Single-Mode fiber optic transceiver module for MDF/IDF switch communication. 1310nm, 9/125um, LC Connections.



DT-SFP-GIG-MM-DX-LC Cisco switch protocol

Multi-Mode fiber optic transceiver module for MDF/IDF switch communication. 62.5/125um, 50/125um, LC Connections.



ST-PS24VAC

\$8.99 ea.

CCTV Power Supply
24VAC, 1,660mA,
Screw Seizure Connections



ST-PS12VDC5A-8PL

\$19.99 ea.

Eight Output CCTV
Power Supply
12VDC, 5A,
8 Male Connectors



ST-PS12VDC1A

\$4.99 ea.

12VDC 1A (1,000mA)

Regulated Power Adapter

- Output 12V 1000mA
- AC input: 100 ~ 240V AC
- UL Listed



ST-PS12VDC2A

\$7.99 ea.

12VDC 2A (2,000mA)

Regulated Power Adapter

- Output 12V 2000mA
- AC input: 100 ~ 240V AC
- UL Listed



ST-PS12VDC5A

\$17.99 ea.

12VDC 5A (5,000mA)

Regulated Power Adapter

- Output 12V 5000mA
- AC input: 100 ~ 240V AC
- UL Listed



\$25.00 ea.

Ordering Information:

ST-PS12V5A-PTC
Camera power supply, 4 Outputs, 12VDC, 5A



Features:

- 4 Camera outputs
- Input Voltage: AC 110VAC - 220VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 12VDC
- Output Current: 5A
- Single 6A PTC fuse for protection against over-voltage/over-current
- Package includes: 1 Power supply, power cord, instruction manual
- CE, FCC, UL, RoHs

Features:

- Black or White PVC Jacket
- RG-59 CCS Video Cable With Attached 18-2 Power Cable
- BNC Male Connectors On Both Ends Of The Coaxial Cable
- Power Connectors On Both Ends Of the 18-2 Power Cable
- Available in 25', 60', 100', 150' & 200' Lengths

Ordering Information:

ST-PMJ25W	25', White jacket	\$6.95 ea.
ST-PMJ60W	60', White jacket	\$11.95 ea.
ST-PMJ100W	100', White jacket	\$18.95 ea.
ST-PMJ150W	150', White jacket	\$27.95 ea.
ST-PMJ200W	200', White jacket	\$35.95 ea.

Premade CCTV Jumper Cables



ST-PMJ25B	25', Black jacket	\$6.95 ea.
ST-PMJ60B	60', Black jacket	\$11.95 ea.
ST-PMJ100B	100', Black jacket	\$18.95 ea.
ST-PMJ150B	150', Black jacket	\$27.95 ea.
ST-PMJ200B	200', Black jacket	\$35.95 ea.



\$3.99 ea.

ST-POE-SPL

Passive PoE (power over ethernet) separator to separate power and Data, for use with ST-POE-INJ power injector.



\$3.99 ea.

ST-POE-INJ

Passive PoE (power over ethernet) injector to insert power onto Cat5e or Cat6 cable. For use with ST-POE-SPL (separator) and ST-PS12VDC1-2A power supply.

ST-POE-48V-500MA PoE Power supply*

\$24.00 ea.



VC24VAC-12DC \$9.99 ea. Voltage Converter 24VAC to 12VDC

VC24AC-12DC Voltage converter is designed to connect 12VDC video surveillance cameras to a 24VAC power supply. This is used when a 12VDC camera has been purchased for an install but the existing environment has 24VAC power supply. This converter is designed to prevent 12VDC cameras from getting fried by over voltage.



AC Input Power: AC 24V
DC Input Power: DC 18V - 48V
Output Power: DC 12V
Output Current: 1A
Total Power: 60W



ST-DC21 \$0.59 ea.

DC Power Connector Male DC to 2 Conductor Screw Seizure Block



ST-DC21F \$0.69 ea.

DC Power Connector Female DC to 2 Conductor Screw Seizure Block



ST-DC21M \$0.75 ea.

DC Power Connector Male DC to 2 Conductor Removable Screw Seizure Block



ST-PSCPM-PT \$1.05 ea.

Male DC power supply connector, male power connector with 90cm, 24awg pigtail power cable



ST-PSCPF-PT \$1.15 ea.

Female DC power supply connector, female power connector with 90cm, 24awg pigtail power cable

ST-GLI-UTP \$14.90 ea. Twisted Pair Ground Loop Isolator

- BNC male to terminal block
- Low video loss
- Passive operation, no power needed
- Bandwidth: 20Hz to 11MHz, +0/-3dB
- Prevents video signal distortion caused by video ground loops
- Eliminates picture tearing, cross talk and rolling
- Guards against power cables interfering with CCTV systems



ST-GLI-BNC/BNC \$14.90 ea. CCTV Ground Loop Isolator

- BNC male to BNC female
- Built in video filter
- Prevents video-signal distortion caused by video ground loops
- Passive operation, no power required
- Eliminates picture tearing, cross talk and rolling
- Guards against power cables interfering with CCTV systems
- Built in TVS (Transient Voltage Suppressors) for surge protection
- Perfect for use with DVRs to reduce DVR interference



SECURITY TRONIX®
THE IMAGE OF QUALITY

Standalone NVR/DVR Lock Boxes



Features:

- With integrated exhaust fan
- Vented sides to promote airflow
- Removable lid
- Hinged locking front access door with two keys
- Rear knockouts for power & video cabling
- Black finish
- 1.2mm Plate thickness

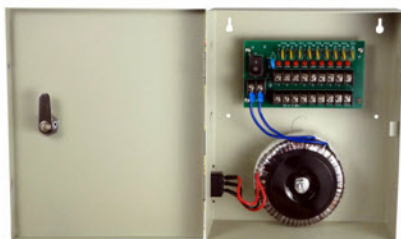
Ordering Information:

ST-DVRLB-21WF
ST-DVRLB-18WF
ST-DVRLB-WMB

21" x 21" x 8" DVR Lockbox with fan \$109.00 ea.
18" x 18" x 5" DVR Lockbox with fan \$105.00 ea.
Wall mount brackets \$36.00 / pr.



SecurityTronix AC Camera Power Supplies with PTC Resettable fuses



Ordering Information:

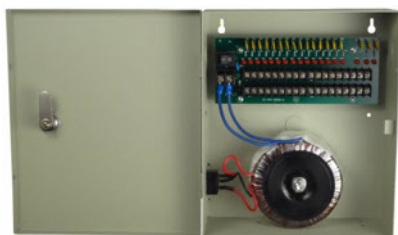
ST-PBX9/24AC-PTC

Camera power supply, 9 Outputs, 24VAC, 5A

Features:

- 9 Camera outputs
- Input Voltage: 110VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 24VAC
- Output Current: 5A
- 9 Individual PTC fuses for protection against over-voltage/over-current
- 9 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- CE, FCC, RoHs
- Dimensions: 8.25"W x 9.75"H x 3.5"D, Weight: 6.9 lbs.
- 1 Year Warranty

\$55.00 ea.



Ordering Information:

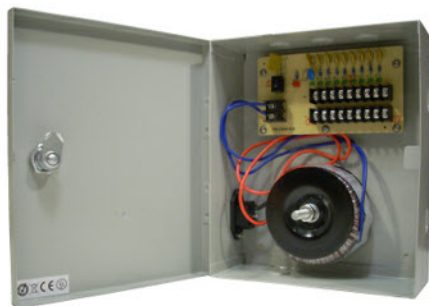
ST-PBX18/24AC-PTC

Camera power supply, 18 Outputs, 24VAC, 10A

Features:

- 18 Camera outputs
- Input Voltage: 110VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 24VAC
- Output Current: 10A
- 18 Individual PTC fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- CE, FCC, RoHs
- Dimensions: 8.25"W x 9.75"H x 3.5"D, Weight: 8.6 lbs.
- 1 Year Warranty

\$77.00 ea.



Ordering Information:

ST-PBX9AC24V5A

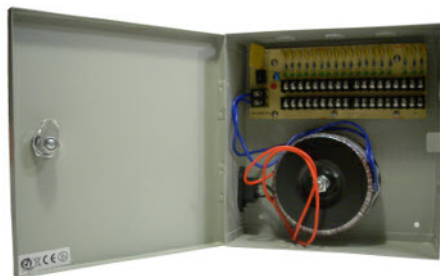
Camera power supply, 9 Outputs, 24VAC, 8A

SecurityTronix AC Camera Power Supplies

Features:

- 9 Camera outputs
- Input Voltage: AC110V, 60Hz
- Output Voltage: 24VAC
- Output Current: 5A
- 9 Individual PTC fuses for protection against over-voltage/over-current
- 9 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- UL Listed
- Dimensions: 7.25"W x 8.5"H x 3"D
- 1 Year Warranty

\$49.99 ea.



Ordering Information:

ST-PBX18AC24V8A

Camera power supply, 9 Outputs, 24VAC, 8A

Features:

- 18 Camera outputs
- Input Voltage: AC110V, 60Hz
- Output Voltage: 24VAC
- Output Current: 8A
- 18 Individual PTC fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- UL Listed
- Dimensions: 8.5"W x 8.5"H x 3"D
- 1 Year Warranty

\$74.99 ea.



SecurityTronix DC Camera Power Supplies



Ordering Information:

ST-PBX4DC12V3A

Camera power supply, 4 Outputs, 12VDC, 3A

Features:

- 4 Camera outputs
- Input Voltage: AC110V, 50-60Hz
- Output Voltage: 12VDC
- Output Current: 3A
- 4 Individual fuses for protection against over-voltage/over-current
- 4 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 4 fuses, 2 keys, wall mounting hardware
- UL Listed, Dimensions: 6.5"W x 6.5"H x 2.0"D
- 1 Year Warranty

\$29.99 ea.



Ordering Information:

ST-PBX9DC12V10A

Camera power supply, 9 Outputs, 12VDC, 10A

Features:

- 9 Camera outputs
- Input Voltage: AC 110V, 50-60Hz
- Output Voltage: 12VDC
- Output Current: 10A
- 9 Individual fuses for protection against over-voltage/over-current
- 9 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 4 replacement fuses, wall mounting hardware
- UL Listed
- Dimensions: 10.0"H x 8.3"W x 3.55"D
- Weight: 5.3 lbs.
- 1 Year Warranty

\$49.50 ea.



Ordering Information:

ST-PBX9DC12V5A

Camera power supply, 9 Outputs, 12VDC, 5A

Features:

- 9 Camera outputs
- Input Voltage: AC 110V, 50-60Hz
- Output Voltage: 12VDC
- Output Current: 5A
- 9 Individual fuses for protection against over-voltage/over-current
- 9 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 4 replacement fuses, wall mounting hardware
- UL Listed
- Dimensions: 10.0"H x 8.3"W x 3.55"D
- Weight: 5.0 lbs.
- 1 Year Warranty

\$37.70 ea.



Ordering Information:

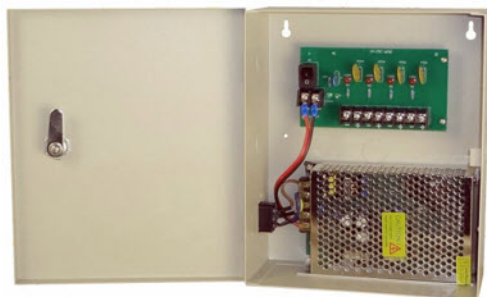
ST-PBX18DC12V10A

Camera power supply, 18 Outputs, 12VDC, 10A

Features:

- 18 Camera outputs
- Input Voltage: AC 110V, 50-60Hz
- Output Voltage: 12VDC
- Output Current: 10A
- 18 Individual fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 4 replacement fuses, wall mounting hardware
- UL Listed
- Dimensions: 10.0"H x 8.3"W x 3.55"D
- Weight: 6.3 lbs.
- 1 Year Warranty

\$56.80 ea.



Ordering Information:

ST-PBX4/5A-PTC
Camera power supply, 4 Outputs, 12VDC, 5A

SecurityTronix DC Camera Power Supplies with PTC Resettable fuses

Features:

- 4 Camera outputs
- Input Voltage: 110VAC - 220VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 12VDC
- Output Current: 5A
- 4 Individual fuses for protection against over-voltage/over-current
- 4 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- CE, FCC, RoHs
- Dimensions: 8.25"H x 9.75"W x 3.5"D
- Weight: 4.95 lbs.
- 1 Year Warranty

\$50.00 ea.



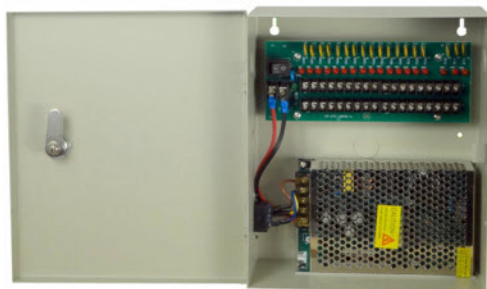
Ordering Information:

ST-PBX9/10A-PTC
Camera power supply, 9 Outputs, 12VDC, 10A

Features:

- 9 Camera outputs
- Input Voltage: 110VAC - 220VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 12VDC
- Output Current: 10A
- 9 Individual fuses for protection against over-voltage/over-current
- 9 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- CE, FCC, RoHs
- Dimensions: 8.25"H x 9.75"W x 3.5"D
- Weight: 4.95 lbs.
- 1 Year Warranty

\$57.00 ea.



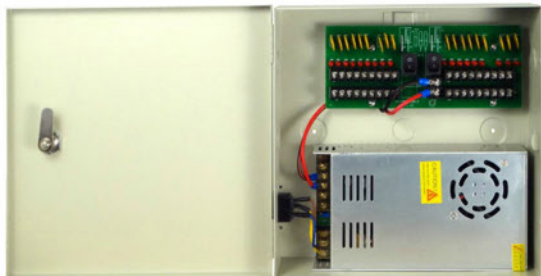
Ordering Information:

ST-PBX18/10A-PTC
Camera power supply, 18 Outputs, 12VDC, 10A

Features:

- 18 Camera outputs
- Input Voltage: 110VAC - 220VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 12VDC
- Output Current: 10A
- 18 Individual fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- CE, FCC, RoHs
- Dimensions: 8.25"H x 9.75"W x 3.5"D
- Weight: 4.95 lbs.
- 1 Year Warranty

\$70.00 ea.



Ordering Information:

ST-PBX18/20A-PTC
Camera power supply, 18 Outputs, 12VDC, 20A

Features:

- 18 Camera outputs
- Input Voltage: 110VAC - 220VAC, 50-60Hz
- Input connector: IEC 3-pin AC Cord
- Output Voltage: 12VDC
- Output Current: 20A
- 18 Individual fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Each output is limited to 1.1A Max.
- Package includes: 1 Power supply, power cord, instruction manual, wall mounting hardware, 2 Keys
- Certifications: CE, FCC, RoHs
- Dimensions: 10.5"H x 10.25"W x 3.25"D
- Weight: 6.8 lbs.
- 1 Year Warranty

\$89.00 ea.



ST-HDLED18.5 18.5" LED Monitor With HDMI & VGA Inputs

Features:

- 18.5" LED Backlit Monitor
- 1 HDMI & 1 VGA Input
- 1366 x 768 Maximum resolution
- 600:1 Contrast ratio
- Wide viewing angle
- 3D Comb Filter, 3D De-interlace, 3D Noise Reduction
- Desktop stand included
- 75 x 75 VESA standard

\$149.00 ea.



ST-HDLED21.5 21.5" LED Monitor With HDMI & VGA Inputs

Features:

- 21.5" LED Backlit Monitor
- 1 HDMI & 1 VGA Input
- 1920 x 1080 Maximum resolution
- 1,000:1 Contrast ratio
- Wide viewing angle
- 3D Comb Filter, 3D De-interlace, 3D Noise Reduction
- Desktop stand included
- 100 x 100 VESA standard

\$170.00 ea.



ST-LEDVGA-18.5 18.5" CCTV LED Monitor With VGA Input

Features:

- One VGA video input
- Widescreen design
- Resolution up to 1366 x 768
- Up to 30,000,00:1 contrast ratio
- 250-nit brightness
- Built in speakers: 2 x 1W
- Pixel pitch: 0.30mm, 16.7 Million display colors
- 1 Year warranty

\$139.00 ea.





Passive Video Balun With Power

Features:

- Composite video over twisted pair
- Alternative to fiber or coaxial based systems
- Fast, easy installation, saving time and money.
- Substantial savings on the cost of the cable itself.
- Superb quality on long range transmission.
- No power required for video transmission
- Supports analog video, HD-Coaxinator video, HDCVI video, HDTV video and AHD video signals
- Transmits power up to 328 feet (100 meters)
- Built-in surge and transient voltage protection
- Superior interference rejection
- LED Status lights
- Supports 12VDC & 24VAC



ST-CCTV-VBP-KIT



Composite Video Baluns

Features:

- Composite video over twisted pair
- Alternative to fiber or coaxial based systems
- Fast, easy installation, saving time and money.
- Substantial savings on the cost of the cable itself.
- Superb quality on long range transmission.
- No power required
- Supports analog video, HD-Coaxinator video, HDCVI video, HDTV video and AHD video signals
- Transmits color video up to 1,300 feet (400 meters)
- Transmits Black & White video up to 1,900 feet (600 meters)

ST-CCTV-VB-KIT



ST-CCTV-VB-PT2KIT



ST-CCTV-VB-PTKIT

Description:

The ST-CCTV-VB Series baluns are designed for CCTV signal transmission over unshielded twisted pair wire. These baluns are an alternative solution to coaxial and fiber based systems, providing for fast, easy installation, saving time and money. While allowing for substantial savings on the cost of the cable itself the ST-CCTV-VB Series baluns provide superb quality on long range transmission. Since these baluns are passive video transceivers, no power is required. Transmission range for color video is 1,300 feet (400 meters) while black & white video can travel up to 1,900 feet (600 meters) via unshielded twisted pair wire. Both units are sold as a kit which includes a transmitter and a receiver.

Ordering Information:

ST-CCTV-VB-KIT \$12.99 / kit

Composite video balun kit, includes transmitter & Receiver, BNC male to 2 conductor terminal block, 1 90 Degree, 1 Straight

ST-CCTV-VB-PTKIT \$12.99 / kit

Composite video balun kit, includes transmitter & Receiver, BNC male to 2 conductor terminal block with strain relief

ST-CCTV-VB-PT2KIT \$12.99 / kit

Composite video balun kit, includes transmitter & Receiver, BNC male to 2 conductor terminal block, 1 90 Degree, 1 with strain relief



Fill it out online!



CCTV Site Survey

www.securitytronix.com/sitesurvey

Site Survey Framework:

The physical location of equipment and the customer's needs are the two primary building blocks of a site survey. Reviewing the existing security procedures and rules with the customer can help you identify improvements that can be made. Performing a threat analysis to identify the need for surveillance is a requirement, but it will also help you identify what the customer is trying to prevent or protect against.

Other important pieces of the site survey include defining the overall storage requirements, areas to monitor and why, and the necessary levels of security. Another important aspect is the current infrastructure, such as existing equipment, available lighting, cabling, and camera mounting options.

Threat Analysis:

A threat analysis considers points of entrance/exit from a building or area, and areas where accidents, crimes, or other points of concern are likely to occur. Performing a threat analysis helps you identify the most important areas of interest, some of them often overlooked by the customer. Typical areas to monitor include the following:

- | | | |
|----------------------------------|--------------------------------------|-----------------------------|
| • Entrances | • Emergency exits | • Driving and walking gates |
| • Cashier areas | • ATM machines | • Waiting areas / lines |
| • Reception areas | • Loading docks / delivery entrances | • Hallways |
| • Perimeter areas/fences/windows | • Dumpsters | • Beaten paths |
| • Storage areas | • IT room | • Security room |
| • Hazardous areas | • Playgrounds / Gymnasiums | • Conference rooms |
| • Stairwells | • Elevators | • Kitchens |
| • Parking lots | • Workshop | • Aisles |
| • Warehouse | • Alleys | • Intersections |

Please email completed form to our sales department sales@securitytronix.com, fax it to 800-230-1793 or call 800-688-9282 with any questions.

Dealer ID Number: _____

Company Name: _____

Phone number: _____

Contact Person: _____

Email address: _____

CCTV Site Survey

1. How would you describe your current video surveillance needs?

New system _____
Expand existing system _____
Replace existing system _____

2. System Application

Indoors _____
Outdoors _____
Both Indoor and Outdoor _____

3. Location of Cameras - indicate number required at each location.

Entrance / Exit _____
Parking Lot _____
Perimeter _____
Hallways / Aisles _____
Building Exterior _____
Other (please specify) _____

4. Will any of these be 360 degree Pan/Tilt/Zoom (PTZ) cameras?

Yes (indicate qty) _____
No _____

5. Total number of cameras of each resolution your system will require.

1MP _____
2MP _____
4MP _____
6MP _____

6. What lighting conditions will you need to record in?

Daylight/continuously lit _____
Night _____
Day and Night _____

CCTV Site Survey

7. Lens type (specify qty of each).

Fixed	_____
Manual Varifocal/Zoom	_____
Motorized Varifocal/Zoom	_____
Fisheye	_____

8. Camera Housings (specify qty of each).

Dome	_____
Turret Dome	_____
Bullet	_____

9. Camera Mounting Bracket (specify qty of each).

Wall	_____
Ceiling	_____
Pendant	_____
Pole	_____
Corner	_____
Junction Box	_____

10. Camera power (please indicate the camera qty of each power type).

12VDC	_____
24VAC	_____
PoE (Power over Ethernet)	_____

11. Are vandal-resistant cameras required? Indicate quantity if yes.

Yes	_____
No	_____

12. What transmission method will be used?

Coaxial Cable	_____
Fiber Optics	_____
Network Cable	_____

CCTV Site Survey

13. What are your recorded video storage requirements?

5-10 days _____
10-30 days _____
30-45 days _____
45+ (please specify) _____

14. Will advanced video analytics be required?

Missing Object Detection _____
Placed Object Detection _____
Loitering _____
People Counting _____
Line Crossing _____
Camera Tampering _____

15. Will this system be used with Point of Sale?

Yes _____
No _____

16. Monitor Size (specify quantity).

18.5" _____
21.5" _____
Larger, specify: _____

17. What is your buying timeframe for this system?

ASAP _____
Within the next month _____
Within the next two months _____
More than two months _____

If possible, provide a drawing which notes the distances between each camera and recorder, as well as any midspan devices anticipated.

SecurityTronix provides Live Technical support 24/7 - 365 days a year

Let NACE Save You Time & Money

On Your Next Headend Build!

Fully Stocked Labs In PA, NV and Now Missouri!

- Professional system design & assembly
- Saves time over building a system on site
- Reduce failed or missing components through advance assembly & testing

Professional Headend Assembly Service

*System & Signal Distribution
Assistance Available!*

- Saves you valuable time and money that can be used in other facets of your business
- Professionally assembled by our experienced staff
- Built with the best materials, color coded headend cable, compression F and RCA connectors
- All hand made, cut to length cabling
- No adapters
- Balanced and tested to your exact requirements
- Conveniently labeled for easy identification of all connections
- Shipped in a wooden crate with vibration-proof inner packing
- Headend logbook includes layout, channel line up, instruction manuals, system photos and other valuable information to keep on file
- Fast turnaround



Contact one of our sales engineers for assistance with:

- **System layouts**
- **Channel Lineup Information**
- **Parts & Assembly Pricing**
- **Special System Needs**



Rack Interface Plates



- Perfect for organizing all of your headend inputs and outputs in one convenient location on your equipment rack
- Clearly labeled to save time and avoid confusion
- Can be rack mounted or mounted on the top back of a rack with a rear rail kit

Add DIRECTV HD Programming To Your Commercial, Lodging & Institution Satellite Television Systems

Technicolor COM2000 System

Let us help you design your
Next System!



The **COM2000 system** has been designed for use in the Hospitality market and is capable of supporting a coax building infrastructure by use of QAM technology with Pro:Idiom digital rights management.

The key components of the system are the **COM46** modular tuning card, the **COM360** chassis with power supply, satellite RF distribution switch(es), Ethernet switch and QAM modulators. Contact your sales representative at North American Cable Equipment Inc. today for information on custom training classes for groups of 6 or more.

QAM6 6 Stream Edge QAM Modulator

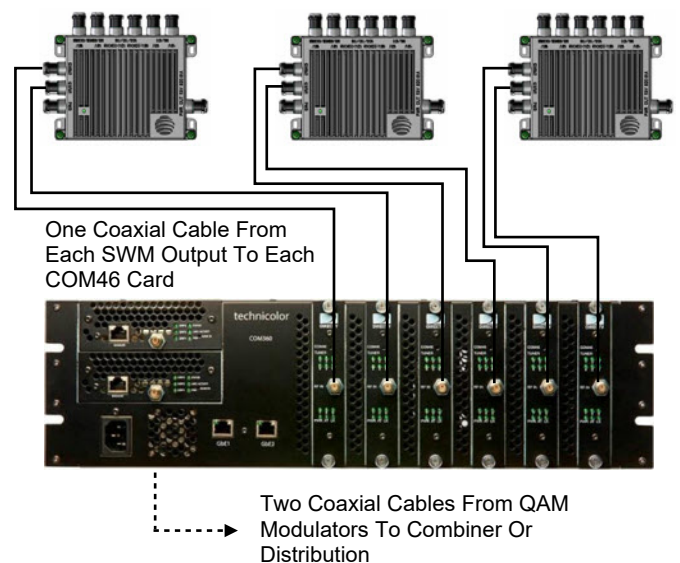
- Supports up to 36 HD Channels when fully expanded
- Fits into one of two modulator slots in the COM360 chassis
- Reduces overall system cost and simplifies installation
- Can be expanded to 12 streams in two stream increments using model SWQAM-2



COM360 48 Channel Chassis with Power Supply & Integrated Ethernet Switch

- Provides enclosure and power supply for up to 6 COM46 Cards capable of 48 HD or SD channels in three rack spaces
- Two Gigabit ethernet ports
- Custom backplane with integrated ethernet switch, mechanicals, OEM power supply
- Now with two QAM modulator slots for QAM6 modulators

In from DIRECTV Satellite ODU with Polarity Locker & Auto Gain Amplifier



Add DIRECTV Digital HD or SD Programming To Your Lodging & Institution Satellite Television Systems

COM46 Receiver

- Eight HD or SD Channels per module
- Receives and tunes Satellite RF stream using SWiM
- Applies Pro:Idiom encryption to HD channels (Pro:Idiom encryption is not present on SD channels)
- Outputs IP video in UDP or RTP format (standard protocols for video streaming)
- LED blinking sequence provides front panel diagnostics
- Requires COM360 chassis with power supply and QAM modulator, sold separately



Compact Form Factor

The COM2000 offers up to 48 channels of HD or SD video and integrated EdgeQAM's in only 3 units of rack space. This compact design also results in dramatic power savings from typical stacked receiver solutions.

HD Content Protection

For High-Definition solutions which require copy protection, the COM46 HD receiver blades add Pro:Idiom™ encryption to the HD content which can be played back on any Pro:Idiom™ enabled receiver device or television.

Integrated Edge QAM

Available as a plug-in module for the COM360 chassis, the QAM6 reduces overall system costs and simplifies the installation and maintenance for the COM2000. The QAM6, sold as a 6-channel QAM can be software upgraded to an 8, 10 or 12-channel QAM device, capable of delivering up to 36* streams of DIRECTV™ HD content or 96 streams of DIRECTV SD content. The COM360 chassis has slots for 2 QAM6 devices for up to a total of 24 QAM channels in a single chassis.

*3 DIRECTV streams per QAM is possible on a properly balanced system—please ask NACE for more information.

On-Screen Program Guide

The COM2000 is the only head-end based Free-to-Guest solution that includes a no additional charge on-screen channel guide which is configurable with your unique logo.

Remote Management

The COM2000, including all the receiver blades and EdgeQAM's, can be managed and monitored remotely over the internet or local network using a simple web-browser based management interface.

* COM46 card audio is not compatible with all televisions. Integrators should test all TVs in their system before deploying a system using COM46 cards.

SW46IP IP Software Upgrade

The SW46IP IP Software Upgrade is required for any COM46 blades that are required to stream IP or will not be used with a Technicolor brand QAM modulator

Ask about COM2000 SD **audio transcoding system** designed to work with non-compatible televisions.

DCI-401 Pro:Idiom™ Compatible Set Top Box

- HDMI output of Pro:Idiom™ protected content originating on a COM2000
- Small form factor (4.33" x 0.96" x 3.19")
- Analog RF output on channel 3 or 4 of SD or HD In-the-Clear programming
- RF Remote Control to allow for flexible mounting options
- Programmable IR commands to control TV power and volume
- Simple or rich user experience
- Supports ATSC PSIP for programming information
- Supports EAS per SCTE-18



The DCI-401 provides a solution to enable both residential and commercial televisions to display Pro:Idiom protected HD content. The unit is also capable of decoding all DIRECTV video and audio formats. Allows operators to support legacy and limited function Televisions which may not decode all DIRECTV video or audio formats.

COM2000 Digital System Options For Lodging & Institution Satellite Television Systems

COM2000 Technical Support

NACE strives to support our dealer network with top notch technical services in a constantly changing and progressing digital marketplace. In an effort to compliment our technical training classes, we provide telephone and or VPN support as per the adjacent table. Contact your sales representative today for more information.

Purchased	Support	Rates
Un-racked System Components	Telephone or VPN support	\$80 per hour billed in 15 minute increments at \$20 per 15 minutes.
Racked Systems No NACE Training	Telephone or VPN support	Free for 1 st hour then \$80 per hour billed in 15 minute increments at \$20 per 15 minutes.
Racked Systems With Completion of NACE Training	Telephone or VPN support	Free for first 3 hours then \$80 per hour billed in 15 minute increments at \$20 per 15 minutes.

The NACE Pre-purchased Technical Support Package is also available for dealers who would like the peace of mind that is offered by purchasing blocks of COM2000 technical support in advance. By purchasing this technical support in advance, dealers are able to save money over the hourly charge as well as quantifying a predetermined cost that can be added to system pricing before quoting the customer.

Five hours of pre-purchased COM2000 telephone or VPN technical support **\$300.00**
Ten hours of pre-purchased COM2000 telephone or VPN technical support **\$600.00**

CT-ATSCQAM8-IP Digital ATSC/QAM Tuner With IP Output



Application:

- IPTV unicasting, multicasting, streaming
- Streaming to designated video clients. VLC, QuickTV, or Windows Media Player

Features:

- 8 Input tuners
- ATSC (8VSB) or Clear QAM256/64 Annex B
- 44MHz to 1002MHz tuning range
- 6MHz channel bandwidth
- IP Output
- Multicast streaming
- dBmV signal level display
- dB signal quality (MER) display
- Configurable TTL
- Compatible with TS Reader for stream analysis
- Static channel/target/ip configuration
- Multiple transport streams



Description:

The CT-ATSCQAM8-IP is a digital tuner capable of receiving eight digital off air (ATSC/8VSB) and/or clear QAM signals and processing the signals to provide an IP output. The IP output is compatible with the COM2000 system as well as many other systems that can process an IP signal for either viewing or re-processing.

MEDIATUNE

HD Switched Matrix System For DIRECTV



Video Management System For Bars & Restaurants



Mediatune presents a fundamental shift in how you might typically think about controlling a video distribution system. RF distribution systems provide a fixed channel line-up allowing each TV to tune through channels. In a Mediatune configuration, each TV is set to a fixed QAM channel and the source is switched.

The control interface then allows you to search through the entire DIRECTV™ channel package to select the desired programming, and then place that programming on the desired TV to watch. You can watch the same content on all the TVs, or depending on how many tuners are in the system, each TV can have its own tuner allowing each TV to watch a different source channel.



Features at a Glance

- Up to 70 unique video outputs with unlimited DIRECTV, ATSC, or external content inputs.
- Original DIRECTV™ broadcast quality content delivered over QAM distribution. No signal transcoding, encoding or other signal manipulation which can degrade quality.
- Pro:Idiom™ protected video to ensure copy protection is maintained all the way to television display.
- Simple to install, easy to manage, less than half the size and cost of a traditional switched matrix video system using stacked receivers.
- 4K Ultra HD capable. Delivers all DIRECTV™ 4K Ultra HD programming to 4K Ultra HD capable TV sets.

MEDIATUNE Components

COM46 – HD Receiver Blade

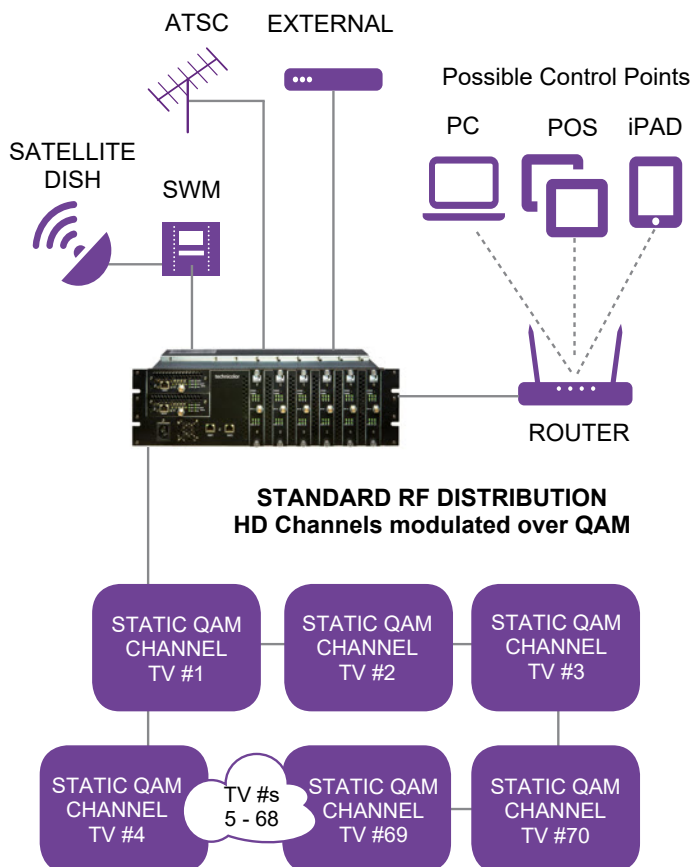
- 8 HD DIRECTV™ tuners
- Pro:Idiom content protection
- Up to 6 cards can fit into a COM360 chassis

QAM6 – 6x256 EdgeQAM

- 12 channel EdgeQAM upgradeable to 8-channel, 10-channel and 12-channel modes
- Supports 2 HD streams per QAM channel*
- 2 QAM6's can fit into a COM360

DCI401MCS – Pro:Idiom Security Terminator

- Fits under or behind the TV to receive the QAM broadcast, decode the Pro:Idiom™ copy protection and output the video to the TV via HDMI
- Full resolution digital quality directly to the TV



NTSC-8

Eight Channel Agile Analog Modulator

For Use With COM2000 Systems

Features:

- Adds Analog output to a COM2000 System
- Two agile blocks of four consecutive NTSC channels
- Up to 8 channels in 1 rack Unit
- No Additional COM46 cards needed
- Agile Modulation
- Simultaneously output to both QAM (Primary output) and NTSC-8 (secondary output) from each tuner
- Per Channel adjustable outputs for attenuation
- Remote management and configuration



For properties that cannot make a complete conversion to digital content, the NTSC-8 allows for the COM46 content to be output both in digital format to the QAM as well as an IP output to the NTSC-8 which will provide a NTSC formatted analog output. This replaces any requirement for a stacked receiver solution using mini-mods to duplicate channels for fitness centers or other TV's unable to support HD or SD digital content. The NTSC-8 is completely agile for each of the 8 outputs allowing for flexibility in RF plant management.

The NTSC-8 is controlled by the COM2000 using the same interface which controls the COM46 and QAM6. Adjustments for RF output level will assist the installation to best format the output video for each individual deployment.

The new COM46A-NTSC blade is now available!

The COM46A-NTSC is an 8 tuner blade with an NTSC output that is compatible with the NTSC-8 analog output modulator. Contact our sales department for more information.



NTSC-8	Eight Channel Agile Analog Modulator
GS108-E-NTSC	Gigabit switch for use in feeding up to 6 NTSC-8 from a single COM360 chassis
COM46A-NTSC	8 Tuner COM2000 blade with NTSC output for use with NTSC-8, No HD output

Digital Off Air Channel Insertion Options

Add Digital Channels To Your Private Cable System!!! The AQT Converts ATSC Off Air Signals To Digital QAM CATV

AQT8-*

8 Channel Off Air / Qam Transcoder Converts 8 Off air channels to either QAM, IP or both

AQT8-QAM

AQT8-QAM (8x8VSB/QAM to QAM) allows the user to create a line up from off-air and/or cable feeds for coax or IP distribution. The unit simultaneously transcodes eight (8) QAM/8VSB input channels to pass thru (8) QAM streams.

AQT8-IP

AQT8-IP (8x8VSB/QAM to IP) allows the user to create a customized line up from off-air and/or cable feeds for IP distribution. The customizable IP output contains up to 20 programs with a combination of SPTS and/or MPTS across eight (8) IP addresses from eight (8) RF input sources.

AQT8-QAM/IP

AQT8-QAM/IP (8x8VSB/QAM to QAM/IP) allows the user to create a line up from off-air and/or cable feeds for coax or IP distribution. The unit simultaneously transcodes eight (8) QAM/8VSB input channels to (8) QAM and (8) IP transport streams.



DIRECTV DRE (DIRECTV Residential Experience)

DRE System Components & Accessories

Tower Server For DIRECTV DRE Systems SERVER-T130

Features:

- Tower chassis
- Pre loaded with UBUNTU Linux
- Pre loaded with DIRECTV DRE MCS (Management Control Software)



19" Rack Mountable Server For DIRECTV DRE Systems SERVER-R230

Features:

- 19" Rack mount chassis
- Pre loaded with UBUNTU Linux
- Pre loaded with DIRECTV DRE MCS (Management Control Software)



OS6450-U24-US

Alcatel-Lucent MDF Switch, 19" Rack mountable. Used in the MDF closet to provide communication to each IDF switch for the Management Control System server. 22 100/1000 Base-X SFP ports, Each output port requires an SFP adapter for ethernet, single-mode fiber or multi-mode fiber. Adapters are needed at both the MDF & IDF ends.

OS6450-24-US

24 Port all copper version of the OS6450-U24-US MDF Switch, No SFP adapters required

OS6450-48-US

48 Port all copper version of the OS6450-U24-US MDF Switch, No SFP adapters required

Pre-Configured
For DRE use



OS6350-24

Alcatel-Lucent IDF Switch, 24 1 Gb/s RJ-45 outputs and four 1 Gb/s SFP uplink / stacking ports. Used in each IDF closet to provide communication from the MDF switch for the Management Control System server. Uplink / stacking ports require an SFP adapter for ethernet, single-mode fiber or multi-mode fiber. Adapters are needed at both the MDF & IDF ends. Stand alone or rack mountable housing, rack ears included.

OS6450-10L-US

10 Port all copper IDF switch with 2 SFP uplink ports

OS6450-10-US

10 Port all copper combo IDF/MDF switch with 2 SFP uplink ports

DT-SFP-GIG-T

RJ-45 Ethernet transceiver module for MDF/IDF switch communication. Works with Cat5, Cat5e or Cat6, 100 meters maximum distance



DT-SFP-GIG-S-DX-LC-A

Single-Mode fiber optic transceiver module for MDF/IDF switch communication. 1310nm, 9/125um, LC Connections.



DT-SFP-GIG-M-DX-LC-A

Multi-Mode fiber optic transceiver module for MDF/IDF switch communication. 62.5/125um, 50/125um, LC Connections.



USBTOSERIAL CONVERTER



USB to Serial converter for Managed DRE systems. Used for updating Alcatel IDF and MDF switches from a laptop without an RJ45 connection.

BBDECA-USB

The BBDECA DIRECTV Ethernet Coax Adapter transfers IP packets between Ethernet (RJ-45/Cat5) and a DIRECTV Connected Home network (coaxial cable).



DIRECTV DRE (DIRECTV Residential Experience)

DRE System Components & Accessories

Commercial
Headend



H25

HDTV Satellite Receiver With
DRE Software Capabilities



HR24

HDTV DVR Satellite Receiver
With DRE Software Capabilities



RC72H

Reduced Function IR Remote
Control For H25 Receivers When
Used In DRE Systems



H25 POWER SUPPLY REP

Replacement Power Supply For
DIRECTV H25 Satellite Receivers



H25MOUNT

Plastic mount for H25 Receiver
Convenient for mounting H25
receivers to Walls, television mounts,
televisions, cabinets, dressers etc.



RCH80HB

Backlit, Reduced Function IR Remote
Control For H25 Receivers When
Used In DRE Systems

DRE-IR BLASTER



Infrared USB blaster
adapter and IR
emitter cable for use with HR24 series
HD DVR receivers in DRE
applications. IR target or IR pass
through cable to connect to television
must be purchased separately.



DRE-IR-PASSLGL-06

DIRECTV DRE IR Pass through
cable for TVs with RS-232 IR control
capability.



Z1

Virtual Private Network
(VPN) Four Port Router



CT-IRTG-6 6'

CT-IRTG-3 3'

IR Target Cable For DIRECTV
H25 Satellite Receivers, 3.5mm to
IR Target



CT-IRPTC-3 3 Foot

CT-IRPTC-6 6 Foot

IR Pass Through Cables For
DIRECTV H25 Satellite Receivers,
3.5mm to RJ12



CT-IRTG-9DIRECTV

9 Foot IR Target Cable For DIRECTV
H25 Satellite Receivers, 3.5mm to
IR Target

DIRECTV DRE (DIRECTV Residential Experience)

DRE System Components & Accessories



451-16 \$11.99 ea.
6 Outlet Plastic Surge Strip,
150 Joules, UL Listed



GS1
Self Tapping
Green Grounding Screw



GW10C-GN-10
#10 Copper Ground Wire,
Green PVC Jacket, 10' Length
Call For Pricing



GW10C-GN
#10 Copper Ground Wire,
Green PVC Jacket, 500' Spool
Call For Pricing

Metal Lock Boxes CT-LB242411



\$181.99 ea.

Features:

- 24"W x 24"H x 11"D
- Integrated plywood backboard
- Internal grounding lug
- Dual locking hasps to fit standard padlocks
- Internal AC outlet
- Multiple sized cable knock outs
- Louvered vents

Pre-Made Coax Jumpers With DIRECTV Approved Compression F Connectors & Solid Copper, 3 GHz Rated RG-6 Coaxial Cable



**Black
Jacket**



**White
Jacket**

Length	Black Jacket	White Jacket	Price
12"	J12-DRE	J12-DRE-WT	\$1.80
18"	J18-DRE	J18-DRE-WT	\$1.90
24"	J24-DRE	J24-DRE-WT	\$1.99
36"	J36-DRE	J36-DRE-WT	\$2.20
48"	J48-DRE	J48-DRE-WT	\$2.40
60"	J60-DRE	J60-DRE-WT	\$2.60
72"	J72-DRE	J72-DRE-WT	\$2.80
84"	J84-DRE	J84-DRE-WT	\$3.00
96"	J96-DRE	J96-DRE-WT	\$3.20
120"	J120-DRE	J120-DRE-WT	\$3.60



CT-MBP22X22 \$79.99 ea.

Mesh back plate. Perfect for use with or without the CT-LB242411* box. Stands off wall to allow ventilation behind electronics. 22" x 22"



Wideband Satellite Distribution Taps For Use With CDSWM13R0-01 Digital Loop Through SWM Modules

DREDUAL12R0-03	12 dB
DREDUAL16R0-03	16 dB
DREDUAL20R0-03	20 dB

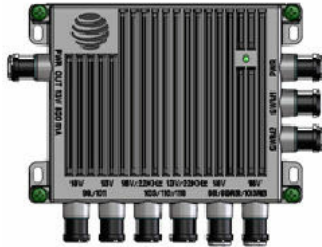
DIRECTV DRE (DIRECTV Residential Experience)

DRE System Components & Accessories

DSWM-30

SWM Module for up to 26 Tuners,
standard output version

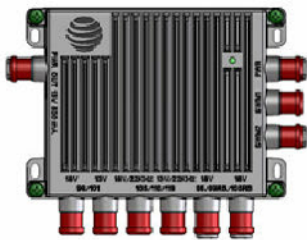
For properties with home
run wiring, each of the
two outputs is capable of
supplying signal to
13 tuners.



Requires PI-29Z power supply
(sold separately)

DSWM-30HP

SWM Module for up to 26 Tuners,
high output version



For properties with loop
through wiring, each of the
two outputs is capable of
supplying signal to
13 tuners.

Requires PI-29Z power supply
(sold separately)



DTV6PWRPOL-02

Six line LNB polarity locker, 35 dB port to port isolation,
requires PI-29Z power supply (sold separately), All
ports DC passing toward ODU



TAMP6R03-PI29

Six line auto gain LNB
amplifier with output
attenuation control,
requires PI-29Z
Power supply
(sold separately)

Seven Line LNB Trunk Taps



DTV7TAPDV06-02	6 dB Tap
DTV7TAPDV09-02	9 dB Tap
DTV7TAPDV12-02	12 dB Tap
DTV7TAPDV16-02	16 dB Tap



Wideband Satellite Distribution Taps For Use With CDSWM13R0-01 Digital Loop Through SWM Modules

DRETAP6DB-02	6 dB Tap
DRETAP9DB-02	9 dB Tap
DRETAP12DB-02	12 dB Tap
DRETAP16DB-02	16 dB Tap
DRETAP20DB-02	20 dB Tap



DTV-DIPLEXER0-09

Satellite Diplexer Specifically for use
in combining BBDECA2 adapters with
CDSWM13R0-01 loop through SWM
outputs

Wideband Satellite Distribution Taps For Use With CDSWM13R0-01 Digital Loop Through SWM Modules

DRETAP6R0-03	6 dB Tap
DRETAP9R0-03	9 dB Tap
DRETAP12R0-03	12 dB Tap
DRETAP16R0-03	16 dB Tap
DRETAP20R0-03	20 dB Tap

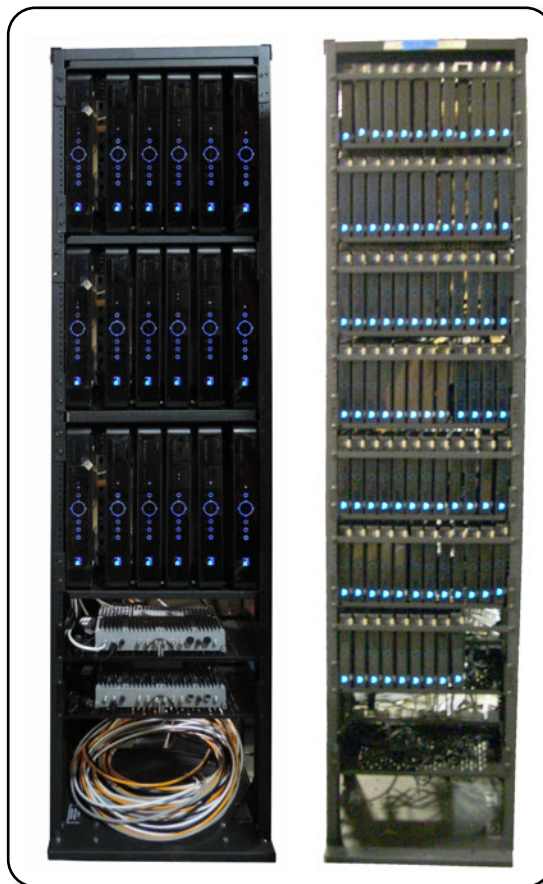


3 Receiver Staging Facilities PA, MO, NV

DIRECTV DRE *(DIRECTV Residential Experience)* **H25 Receiver Staging Program**

Fast Turnaround On Receiver Staging!

- Our warehouse will scan and record each RID, Access Card & Serial Number. Once the information is gathered it will be organized into a spreadsheet that can be used in installation and activation.
- Our lab will un-box each receiver and access card and insert the access card into the individual receiver. Receiver cables and power supplies will not be removed from the packaging or tested.
- Each receiver will be loaded into our pre-configured testing rack and connected to AC power, a SWM satellite feed and our in house DRE server/switches.
- Each receiver will have its standard software upgraded to the current version.
- Once each receiver is connected to satellite signal and the software has been updated the dealer will be contacted and asked to contact DIRECTV to authorize the receivers for the DRE software download.
- Once the receivers have been authorized for DRE software download, the NACE lab will download the DRE software onto each individual receiver and confirm that the receiver has accepted the download.
- Due to potential delays in the software downloads NACE can not guarantee completion dates. It is recommended that each dealer keep in contact with their sales representative to coordinate shipment delivery dates.
- Once the download is completed and confirmed, our lab will then verify a successful download and test communications between each H25 receiver and our test DRE MCS server.
- Upon completion, our lab will then repackage all receivers for shipment.



Call For Pricing



Five hours of pre-purchased DRE telephone or VPN technical support
Ten hours of pre-purchased DRE telephone or VPN technical support

\$300.00
\$600.00

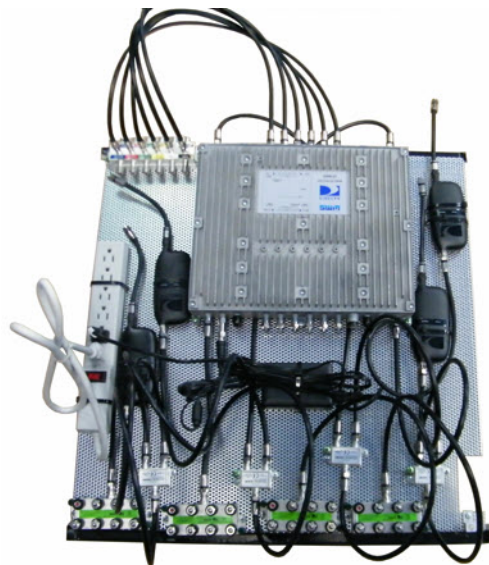
Special Services Offered By NACE Designed to Save Precious Time On DRE Installations

Pre-Built Backplate Assemblies

Pre-Assembled Backplates Designed for DIRECTV DRE (Digital Residential Experience) Systems

Features:

- Fully assembled to save valuable time and money during the onsite installation
- Tested before shipping to eliminate costly time spent trouble shooting for defective components, bad cables, cross-wired connections etc.
- Compression F connectors on all jumpers.
- Built on a mesh backplate that stands off the wall to promote airflow behind active components.
- All active components are wired to a single power strip to simplify powering.
- Open ports for DECA insertion.



Custom backplates can be assembled to your individual needs. Using our custom design tool we can provide a design layout for each backplate in your system. Contact your sales representative with the exact needs of your system and we can work up a price and design layout today! The NACE mesh back plates are cut to size and designed to easily fit inside our CT-LB242411 metal outdoor lock boxes.

DRE Premium Equipment Pre-Staging Options

Contact your sales representative for pricing on the pre-staging options below or any other custom DRE requirements that can save you time!

Standard Premium Pre-Staging

- Label all receivers with specific room / suite information
- Apply all receiver & room information into a spreadsheet for easy MCS server setup
- Re-box receivers as required
- Open DRE remote controls and install batteries
- Remove weather boots from all splitters and re-affix terminators

Additional Premium Pre-Staging Options

- Pre-package H25 mount, IR cable and DRE remote in H25 mount box
- Custom receiver setup and configuration
- Custom server setup and configuration

DRE Receiver Customization Program

Get receiver default settings programmed for Basic or "non-managed" DRE systems before installation.*

We will set up your required defaults during the setup process to include the items below and more

- Default (startup) channel
- Remove "grayed out" channels in the guide
- Set video resolution
- Set Closed Caption on for approved common viewing areas such as lobbies or gyms

\$5.00 / Receiver 1 - 99

\$4.00 / Receiver 100+

*Ask your sales representative for important details and limitations of this service.

Streaming High Definition IP Encoder PD100

Features:

- HDMI, component, and composite inputs with auto detection
- Dual mode: H.264 / MPEG-2 selectable
- Video resolution: up to 1080p
- Audio format: MPEG-1 LII
- AC-3@ 2.0 encode & 5.1 pass-through
- Easy installation and use
- Web GUI for setup and control
- IP output
- Closed Caption supported



Description:

The PD100 is a low cost MPEG-2 or H.264 single channel encoding device used to stream video and audio across any IP network. The unit can be used in CATV systems, security or hospitality applications where linear IP video is required. The PD100 accepts HDMI in the clear, component or composite video input and audio input via embedded HDMI, digital S/PDIF or analog.



DRE MCS Laptop

DRE Management Control Server
Software on a laptop

Ask about our
rack mounted pre-built
DRE systems

Limited for use in the following applications:

- Dealer labs. Perfect for mirroring what a property is seeing and guiding them through support calls.
- On site demonstrations. A useful tool to help a property understand the advantages of a managed system.
- Not suitable for use as a permanent Management Control Server at a property.

Add Value to Your DRE Systems By Adding IP Cameras



Benefits:

- Cameras tie directly into the MDF switch of a managed DRE system
- No additional streaming hardware required
- Add value to your managed DRE systems to separate your company from the competition
- Check out IP camera section for more IP camera options



\$88.00

ST-IP2FB

2MP IP Fixed Lens
Mini-Bullet Camera with IR



\$88.00

ST-IP2FD

2MP IP Fixed Lens Mini-Dome
Camera with IR

Cinema Server & Pre-Configuration for Managed DRE Systems



MDE 100MB/200

DIRECTV Cinema server for managed DRE systems.

MDE-INCML100MB

250 Unit upgrade for MDE 100MB/200

.DRE VOD CONFIGURE

Cinema server setup and configuration service

SDUFDEC-016G

USB Drive for DRE cinema service

.DRE USB INSTALL

USB Drive setup and configuration service





Introducing The New HDE-8C-QAM w/Opt 2

8 Input QAM Modulator with Encoder Watermarking (Option 2)

Approved by DIRECTV for Use in Receiver-Less Solution (RLS) Installations

What is it?

- Accepts up to 8 programs from any of the following inputs: 8xComponent and 8xComposite
- Meets DIRECTV's requirements for Receiver-Less Solution installations (RLS)
- Supports additional 1 spare input to replace the failed input
- Emergency Alert System (EAS) provides the ability to override all eight (8) programs with an EAS message triggered by dry contact closure, or 5-12 VDC
- Remote monitoring and control
- Watermarked video
- H25 Satellite Receiver control



HDE-8C-QAM w/Opt 2 (MPEG-2 HD Encoder: 8xComponent/Composite to 4xQAM) accepts up to eight programs from either eight component and/or eight composite video sources. The encoder is equipped with a spare input (9th input) to replace any one of the primary eight inputs in the event of a failure. The encoder digitizes, MPEG-2 encodes each input into a high-definition stream, multiplexes the resulting eight streams, and then modulates them onto four watermarked adjacent QAM channels in the 54-1002 MHz range (CATV 2-158).

Also available:

HDE-8C-QAM/IP
HDE-8C-QAM/IP OPT2

with simultaneous IP output (does not contain Option 2 watermarking)
with simultaneous IP output and Option 2 watermarking

Personalized TV Control Service For Bars & Restaurants

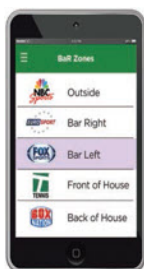
BT's BaR System Advantages

- Any flat-screen digital HDTV will work; Pro:Idiom™ TVs not required
- No Pro:Idiom™ set top or set back box required at viewing locations
- Equipped with forensic watermarking to protect program content
- Wait staff can easily select programs from a tablet or phone
- Target a program to a TV zone, individual TV, or a mix of both
- Simple to install and maintain
- Equipped with spare receiver function to prevent outages
- Lowest CAPEX and OPEX!



Unit Access Screen

Discovers installed HDE-8C models and grants access to enter the pre programmed unit's channel lineup.



BaR Zones Screen

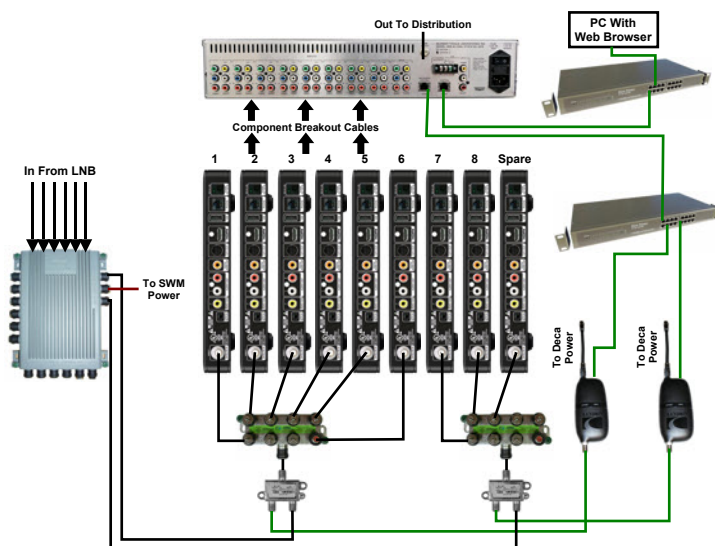
Enables users to select TVs in specific areas within the establishment to accommodate customers near that location.

Control all your TV's with a Mobile Device

Blonder Tongue's free App allows staff to control all viewing locations with an easy-to-use, easy-to-configure application that runs on the Wi-Fi system.



**Game
Changer**



* Certain premium channels, if used, will require additional equipment so those specific channels can be encrypted using PRO:idiom. Contact your NACE sales associate for details. Markets subject to change.



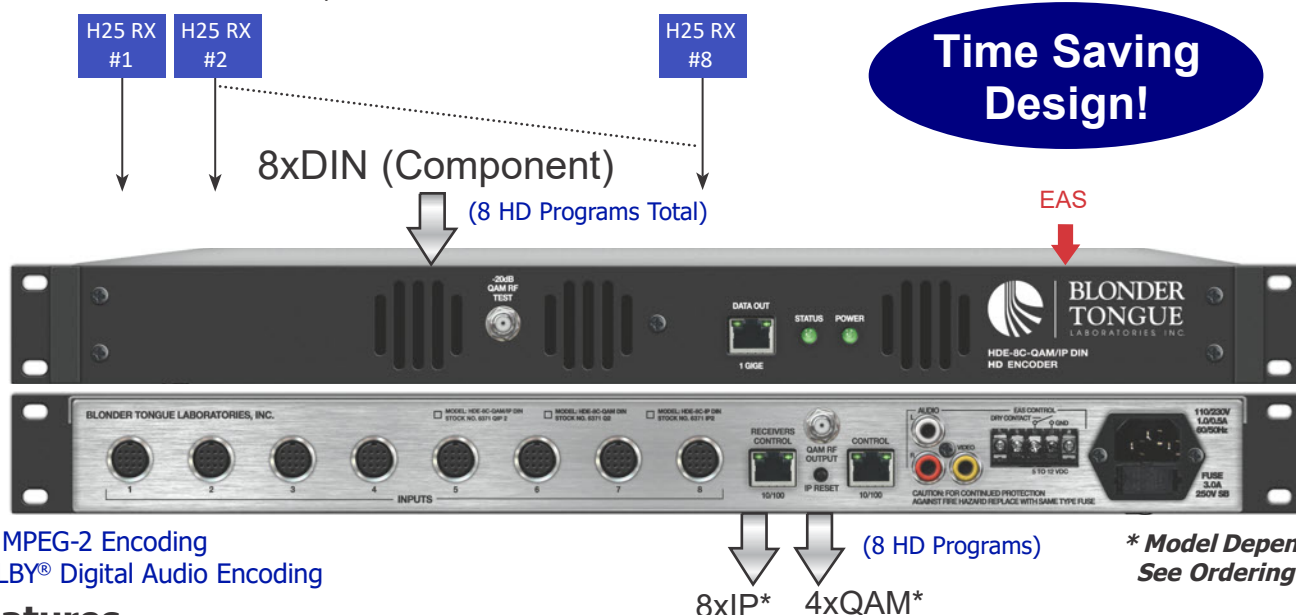
HDE-8C DIN Series w/Opt2 MPEG-2 HD ENCODER

8xDIN (Component) to 4xQAM/8xIP*

The **HDE-8C DIN Series** of encoders offers the ability to deliver eight (8) HD programs in just 1RU to preserve valuable rack space. The encoder is designed to be seamlessly interconnected to eight (8) DIRECTV H25 satellite receivers using factory supplied DIN cables (Quantity 8; Stock# 3703).

The unit digitizes and MPEG-2 encodes each input into a high-definition stream. The eight (8) program streams are multiplexed and then modulated onto four adjacent watermarked QAM* channels in the 54-1002 MHz range (CATV 2-158). Models equipped with an IP output provide 8xSPTS with watermarking.

The encoder supports Dolby® Digital audio encoding and Closed Captioning (EIA-608) for each of the eight encoded programs. An Emergency Alert System (EAS) interface consisting of a composite video and L+R audio program input is provided on all models. Comprehensive remote monitoring and control of the encoder, as well as the H25 receivers are accomplished using any standard Web browser via a rear-panel 10/100Base-T Ethernet connection.



HD MPEG-2 Encoding
DOLBY® Digital Audio Encoding

Features

- Accepts 8 HD programs from DIN inputs (Receiver to encoder DIN cables are included)
- Digitizes, MPEG-2 encodes, and modulates up to 8 inputs into 4xQAM* output channels (2 programs per QAM channel)
- Configurable to ITU-T J.83 Annex A and B digital QAM formats
- Provides 8xSPTS outputs on IP equipped models
- Provides comprehensive GUI-based monitoring and control via standard Web browsers
- Provides a front-panel -20dB RF test point (QAM models only)
- Equipped with EAS interface (Analog Video + L/R Audio) and triggering compatible with all EAS receivers
- Supports Real-time Dolby® Digital audio encoding
- Supports Closed Captioning EIA-608 for each of the 8 encoded programs
- Supports user-defined PSIP configuration

Ordering Information

Blonder Tongue is ISO 9001:2008 Certified
Dolby® is a registered trademark of Dolby Laboratories.

Model	Stock #	Description
HDE-8C-QAM/IP DIN	6371 QIP 2	MPEG-2 HD Encoder for DIRECTV H25 Receivers; 4xQAM + 8xIP outputs
HDE-8C-QAM-DIN	6371 Q 2	MPEG-2 HD Encoder for DIRECTV H25 Receivers; 4xQAM outputs
HDE-8C-IP DIN	6371 IP 2	MPEG-2 HD Encoder for DIRECTV H25 Receivers; 8xIP outputs
H258C DIN CABLE	3703	DIN Cable; 13 to 10 Pin with Digital Audio RCA; 24" long

* Model Dependent



ZeeVee Pro Series HD Video Modulators & ZeeVee Pro Series with IP Streaming

1 or 2 Channels of Digital High Definition in a stand alone chassis

The ZvPro Series of encoder/modulators is used in smaller video and signage systems, and it continues to be a best seller. Now ZeeVee has added the I-Series to the ZvPro lineup, with all the features of a ZvPro PLUS simultaneous video-over-IP streaming.

Smarter, Smaller HD Video Distribution Over Coax and/or Ethernet!



ZvPRO 610



ZvPRO 620



ZvPRO 810



ZvPRO 820

Hardware Features

- Use Existing Coax or Ethernet Cable
- Set All Channels at Once
- MPEG2 Video and Dolby® AC3 / MPEG-1 Audio Encoding
- QAM and/or IP output
- Optimized Rack Space
- Unified Architecture and Technology Across All Products

Key Product Features

- Free Information Channel
- Emergency Alert System Built In
- Five Year Warranty
- Closed Caption Capability
- Delayed Audio
- Multi-box Management

ZvPro I-Series

Simultaneous RF/IP stream output with no compromise in performance

Advanced Management Software

- Color Front-Panel Display
- Maestro Web-based Management Tools
- Local and/or Remote Configuration
- Easy EAS Deployment

6' DIN to VGA Cable
ZV710-6



ZV709-3 3'
ZV709-6 6'
DIN to Component Cable



ZVPRK
Rack Mount Kit

Of Channels
Input Type
Audio
Required Input Cable
Video Resolution
Delay Matched Audio
Closed Caption
Fan Cooling
Mount Type
Warranty

ZvPro 820	ZvPro 810	ZvPro 620	ZvPro610
2 HD	1 HD	2 HD	1 HD
Unencrypted HDMI	Unencrypted HDMI	Component or VGA	Component or VGA
Analog, Digital On All ZvPro Models			
HDMI (Sold Separately)		Hydra Component or HydraVGA (Sold Separately)	
Up to 1080 p/i On All ZvPro Models			
Single Channel On All ZvPro Models			
Integrated On All ZvPro Models			
Integrated, Front to Back Cooling On All ZvPro Models			
Integrated Wall Mount, Rack Mount Kit Sold Separately			
5 Year Manufacturer Warranty			

ZvProi 820i	ZvProi 810i	ZvProi 620i	ZvProi 610i
ZvPro I series units have a simultaneous RF/IP stream output with no compromise in performance.			

ZeeVee manufactured equipment allows distribution of HD digital signage and HD programming sources using existing broadband coax cabling in facilities not required to encrypt content. Use in other facilities is prohibited.



ZeeVee 12 Channel 480i Composite Video Modulator

Upgrade all your analog head-ends to digital

- Far better picture quality - today's TVs want digital!
 - Signal quality - won't degrade like analog
 - Simple configuration - add or upgrade channels in minutes
 - Clear QAM broadcast - works with all standard HDTVs
- ...All at a cost comparable to today's analog!



**12 Channels of Digital Standard Definition in a 1RU Chassis
...at a cost comparable to analog modulation**

HDb2312 Modulators...

- Each unit broadcasts 12 video sources in 1RU - saving you rack space and money.
- 12 channels fit on 3 RF frequencies - making your coax infrastructure even more capable of delivering all your channels.
- Digital quality at 480i - SD sources deliver stunning performance and full digital quality while respecting content broadcast requirements.



255-038 \$0.89 ea.
6" Y Adapter
2 RCA Female to 3.5mm
Stereo Male



2 RCA Male to 3.5mm
Stereo Male
255-045 6' Length
255-047 12' Length



Single RCA Male to
Male Cable
940 6' Length
941 12' Length

HD-SDI Digital Encoder / Modulator HDb2920



Features:

- Two SDI inputs
- Transmit multiple SDI channels over a QAM or DVB-T/C network
- HD-SDI ports have reclocked, amplified loop-through output
- Faster deployment and configuration with our Maestro interface
- Added support for an Emergency Alert (EAS) channel, closed-captioning, and a bonus information channel
- Superior video quality
- Dolby Digital audio
- Mission-critical reliability

Also Available: **HDb 2920i** two input SDI modulator with simultaneous QAM and IP outputs

ZeeVee manufactured equipment allows distribution of HD digital signage and HD programming sources using existing broadband coax cabling in facilities not required to encrypt content. Use in other facilities is prohibited.

HDb2840 ZeeVee 4 Channel HDMI Video Modulator

Smarter, High-Density HD Video Distribution Over Coax



ZeeVee's HDb2840 encoder/modulator converts unencrypted HDMI video sources such as signage players into digital cable channels that are **broadcast over existing coax cabling to an unlimited number of HDTVs.**

- Distribute HD video throughout your facility
- Replace multiple signage players
- Maestro Headend Management Software
- Use Existing Coax Cabling
- Compatible with any HDTV
- MPEG2 Video and AC3 Audio Encoding
- QAM Output



Component Video Modulators

2 or 4 Channels of Digital High Definition in a 1RU Chassis

HDbridge2000

SERIES

The HDb2500 Series is an integral part of the "Receiver-Less Solution" approved by some providers for use in institutions.

Commercial
Headend

ZeeVee encoder/modulators convert video sources such as satellite receivers and media players into digital cable channels that can be **broadcast over existing coaxial cabling** to an unlimited number of HDTVs.

By utilizing the HDTV's built in tuner, ZeeVee modulators **completely replace the need for matrix switches, home run wiring and any devices at individual TVs.**



720p Series Ordering Information:

- | | |
|--------------|---|
| HDb 2520 | Two channel 720p HD Modulator with two DIN to RCA component breakout cables |
| HDb 2540 | Four channel 720p HD Modulator with four DIN to RCA component breakout cables |
| HDb 2520-DTV | Two channel 720p HD Modulator with two DIN to DIN cables for H25 receivers |
| HDb 2540-DTV | Four channel 720p HD Modulator with four DIN to DIN cables for H25 receivers |



1080p Series Ordering Information:

- | | |
|--------------|--|
| HDb 2620 | Two channel 1080p/i HD Modulator with two DIN to RCA component breakout cables |
| HDb 2640 | Four channel 1080p/i HD Modulator with four DIN to RCA component breakout cables |
| HDb 2620-DTV | Two channel 1080p/i HD Modulator with two DIN to DIN cables for H25 receivers |
| HDb 2640-DTV | Four channel 1080p/i HD Modulator with four DIN to DIN cables for H25 receivers |



ZV732-3-1

3' DIN to DIN Cable For
Connecting H25 Receivers
to HDb25** series modulators.

ZeeVee Modulators are now compatible with Monroe Emergency Alert Systems



Components:

- R189SE-3EN - EAS Encoder
- EAS_NET (includes DVS168) Software License
- NTP (Network Time Protocol) Server

Contact your sales representative for detailed information on EAS system integration configuration and options.

ZeeVee manufactured equipment allows distribution of HD digital signage and HD programming sources using existing broadband coax cabling in facilities not required to encrypt content. Use in other facilities is prohibited.



HDbridge3000 Chassis

HD Digital Encoder / Modulator Series



High-Density Video Distribution

The HDbridge3000 provides a highly flexible solution for delivery of cable, satellite, and IPTV video content all within a compact 3RU footprint. HD and SD video can be simultaneously output in both RF and IP formats. The flexible, modular design of the chassis provides 12 media slots with the flexibility to mix-and-match HDMI, component, and composite cards, making it ideal for professional-grade video distribution. Adjustable rack ears can be moved to either the front or rear of the unit, allowing front-facing or rear-facing media modules and power supplies. What's more, if an existing media module is replaced with the same type of module, it is automatically programmed by the control module to use the same settings as the previous module, saving valuable time, and eliminating expensive truck rolls.

Feature Summary

- Compact 3RU form-factor
- 12 media module slots for delivery any type of content regardless of source inputs
- Simultaneous video output in both RF over coax and IP over CATx
- Up to 24 channels of HD content or 72 channels of SD content
- Zero downtime with fully redundant and hot-swappable media modules, fans, and power supplies
- No active components on the backplane means higher reliability
- Configured and maintained using ZeeVee's user-friendly Maestro management platform
- Distribute video over RF to an unlimited number of displays leveraging the QAM tuner in the TV
- ZvEAS connects to national EAS and allows for local emergency message information
- Playback custom content using the ZvShow channel

Ordering Information

HDb3KR	3000 Series chassis and control module, 12 module slots, two hot swappable power supplies, four hot swappable fans and 12 blank face plates
3KAVE2R7	2 Input HD Digital module, component Din inputs, 720p resolution
3KAVE2RH	2 Input HD Digital module, component Din inputs, 1080i/p resolution
3KAVE2IH	2 Input HD Digital module, component Din inputs, 1080i/p resolution with simultaneous IP output
3KHVE2I	2 Input HD Digital module, unencrypted HDMI inputs, 1080i/p resolution with simultaneous IP output
3KHVE2R	2 Input HD Digital module, unencrypted HDMI inputs, 1080i/p resolution
3KHVM4I	4 Input HD Digital module, unencrypted HDMI inputs, 1080i/p resolution with simultaneous IP output
3KSVE6R	6 Input SD Digital module, 480i resolution
3KSDI2R	2 Input HD Digital module, SDI Inputs, 1080i/p resolution
ZV709-3-X1	3' Din to component cable
ZV709-6-X1	6' Din to component cable
ZV739E-3-1	3' Din to Din cable for H25 receiver connection
ZV739-6-1	6' Din to Din cable for H25 receiver connection
CAVC6	6' 3.5mm to RCA Video with left and right audio



Commercial Modulator Series

...Competitive technologies
with compelling value

Commercial Satellite Headend Equipment

CableTronix is Proudly
Celebrating their 20th Year!

Commercial
Headend



CT-FMM-19* \$89.99 ea.

Fixed Channel Micro
Modulator 50 dB Output,
SAW Filtered
Available in Chs. 2-125



CT-AMM \$189.99 ea.

Agile Micro Modulator
50 dB Output,
SAW Filtered
Field Tunable to Chs. 2-125



CTPS-12 \$123.99 ea.

Power Supply For Up To
12 Micro Style Devices



CT-SAW860-19* \$89.99 ea.

Fixed Channel 19" Modulator
55 dB Output, SAW Filtered
Available in Chs. 2-125



Cabletronix Modulator Series

CT-FMM-19*	Fixed channel micro modulator, 50 dB	\$89.99
CT-AMM	Agile micro modulator	\$189.99
CTRC-12	12 Modulator rack chassis	\$107.99
CTPS-12	12 Modulator power supply	\$123.99
CTPS-12DUAL	12 Modulator redundant power supply	\$189.99
CTPS-12-FAN	Replacement fan for CTPS-12	\$14.99
CTRC-4A	4 Mod. rack chassis w/power supply	\$129.99
CTBP-1	Blank modulator space holder	\$5.99
CT-SAW860-19*	Fixed channel full size modulator	\$89.99





...Competitive technologies
with compelling value

Commercial
Headend

Headend Accessories

Commercial Satellite Headend Equipment

Rack Mountable Amplifiers



CTA-30RK-550
\$129.99 ea.

30 dB Gain, 550 MHz



CTA-30RK-1000
\$159.99 ea.

30 dB Gain, 1,000 MHz

Wall Mountable Amplifiers



CTA-30/550 **\$89.99 ea.**
30 dB Forward Gain, 54-550 MHz

CTA-30/870AR **\$137.99 ea.**
30 dB Forward Gain, 20 dB Reverse Gain,
54-870 MHz Forward, 5-42 MHz Reverse

CTA-35/1000PR **\$129.99 ea.**
35 dB Forward Gain, Passive Return Path,
54-1,000 MHz Forward, 5-42 MHz Reverse



CTMS-16RKPS **\$159.99 ea.**
2 x 16 Satellite Multiswitch, 19" Rack Mountable



CTHC-24G
\$79.99 ea.

24 Input Passive Combiner, 19" Rack Mountable, High Port to Port Isolation, -30 dB Test Port



CTHC-12G
\$59.99 ea.

12 Input Passive Combiner, 19" Rack Mountable, High Port to Port Isolation, -30 dB Test Port

HMDD **\$229.99 ea.**
Holland Electronics digital off air demodulator with baseband output, closed captioning support, non-volatile memory, agile input and LED channel display

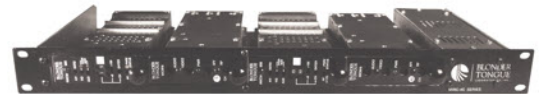




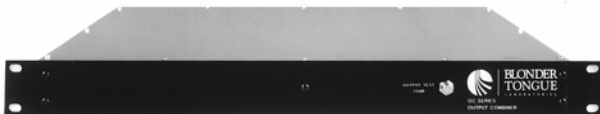
Blonder Tongue MICM Series Micro Modulators & Accessories



MICM-*	Fixed channel modulators Chs. 2 - 125 available
AMCM-860D	Agile micro modulator
AMCM-860DS	Agile micro modulator with stereo audio
DHDC-DV	Digital off air down-converter
DHDC-UV	Digital off air up-converter
MIPS-12	12 Unit power supply
MIRC-12	12 Slot rack chassis
MIRC-4D	4 Unit chassis with power supply



Blonder Tongue Passive Headend Combiners



OC-8D	8 Input passive combiner
OC-12D	12 Input passive combiner

- 5 - 1,000 MHz
- -20 dB Test Port
- High Isolation, Low Net Combining Loss
- Rack Mountable - 1 EIA (1.75") Rack Space

Blonder Tongue Passive Rack Mountable Splitters



DFCS-24	24 Output passive splitter
DFCS-32	32 Output passive splitter

- 5 - 1,000 MHz
- -20 dB Test Port
- High Isolation, Low Net Combining Loss
- Rack Mountable - 1 EIA (1.75") Rack Space

Blonder Tongue Passive Headend Combiners



Features:

- 5 - 1,000 MHz
- -20 dB Test Port
- 8" Depth
- High Isolation, Low Net Combining Loss
- RFI Shielding for minimized egress / ingress interference
- Rack Mountable - 1 EIA (1.75") Rack Space

HPC-8	8 Input passive combiner
HPC-12	12 Input passive combiner
HPC-24	24 Input passive combiner
HPC-32	32 Input passive combiner



Fixed Channel 19" Rack Mountable Analog Modulator Series BAVM860SAW-*

In Stock Nationwide!



The Blonder Tongue BAVM860SAW-* is a commercial quality TV modulator providing a +55 dBmV RF output on any specified CATV channel from 2 to 135 (54 to 860 MHz). Specify channel number when ordering.

Features:

- +55 dBmV RF output
- Available for CATV channels 2-135
- Meets FCC Docket 21006 Aeronautical Frequency Offset Requirements
- Front Panel Accessible Level Controls for Easy Set-Up and Adjustments
- - 30 dB RF Test output port
- Low Cost, High Performance Channelized Audio/Video Modulator
- AC Convenience Outlet

AM-60-*** Series Agile Commercial Modulators



AM series is a family of frequency-agile analog audio/video modulators. AM-60-860, the flag-ship model, is available in NTSC channels 2-135 (54-860 MHz), and the PAL B, G, and I channels in the same frequency range. More economical models are available in NTSC for the frequency ranges 54-550 MHz, or 54-806 MHz. EAS (Emergency Alert System) is standard on all models. Stereo Audio, SAP (Secondary Audio Programming), and several other optional features are also available.

Many Options Available Including
BNC Inputs, Sub-Band output,
Stereo Audio, SAP Audio,
Video AGC, Audio AGC &
Balanced Audio Inputs

AM-60-860	Frequency-agile Audio/Video Modulator, +60 dBmV, 54-860 MHz (NTSC)
AM-60-806	Frequency-agile Audio/Video Modulator, +60 dBmV, 54-806 MHz (NTSC)
AM-60-550	Frequency-agile Audio/Video Modulator, +60 dBmV, 54-550 MHz (NTSC)
AM-45-550	Frequency-agile Audio/Video Modulator, +45 dBmV, 54-550 MHz (NTSC)



Blonder Tongue Sub-Band Diplexers

DSV
DSV-42

Sub-Band Diplexer, 5-30 / 50-1000 MHz split
Sub-Band Diplexer, 5-42 / 54-1000 MHz split

Features:

- Customizable to your channel lineup
- Several different formats available
- Add messages after the last channel
- Adjustable background color, text, outlines, font size
- Add movie ratings
- No cost to update, add or remove channels
- Requires internet connection
- HDMI, VGA or composite video outputs

11:04 AM	11:00 AM	11:30 AM	12:00 PM	12:30 PM
C-SPAN	4 C-Span Weekend 120m Congressional floor hearings, hearings and public-affairs addresses.			
ESPN	5 SportsCenter Broadcasters cover all the important sporting events of the day.		SportsCenter Broadcasters cover all the important sporting events of the day.	
ESPN 2	6 ESPN First Take 120m ESPN morning show offers a mix of sports, pop culture and lifestyle talk.			
HBO	7 The Scout 10:00a 105m A baseball scout finds a gifted player in the wilderness of Mexico.	Safe House 11:45a 120m In South Africa, a CIA rookie and a rogue agent are attacked by mercenaries.		
HBO	8 New Year's Eve 120m People deal with their love lives over the course of New Year's Eve.			
HCN	9 House Hunters Mike's Journey from Homelessness to Home Ownership Couple's budget may not be enough to buy home that will make them happy.	House Hunters International Canadian Biologists in Belize Canadian wildlife biologists grow weary of doing all their work in the field.	Room Crashers Platinum Christmas A dark, outdated family room is updated and merged to create one, large room.	My First Place Testing A New Relationship and New Home Couple has been dating for months, but they are ready to buy home together.
Discovery	10 FBI: Criminal Pursuit Outlaw A man goes on the run from the law and leaves behind a trail of victims.		Auction Kings Hot Air Balloon: Wolly Mammoth Truck Cindy tries to overcome her fears and take a fight in a hot air balloon.	Auction Kings Seance Machine: Airstream Trailer Team auctions a seance machine, a silver horn and an Airstream trailer.
TLC	11 What Not to Wear Mindy Former child actress Mindy Cohen from "The Facts of Life."		A Baby Story Baby Santiago A couple decides to refuse pain medication during their baby's birth.	A Baby Story Baby D'Angelo After previous problems, Robyn and John want nothing but a healthy baby girl.
The Weather Channel	12 Day Planner 1100w 150m Forecasts for middle America and the west coast.			
abc	13 Eyewitness News at Noon The local news, sports and weather are presented by the Southwestern News Team.	Who Wants to Be a Millionaire? The local news, sports and weather are presented by the Southwestern News Team.	The Chew Scheduled: actress Soleil Moon Frye; a look inside Goo Goo Clusters factory.	

The NACEComm completely customizable channel guide supports listings for both digital and analog channels. Once a day the server remotely updates and downloads TV listing data for the channels that you carry. Listings data covers everything from major networks to local public access channels. The NACEComm channel guide is perfect for headend systems with no other source of guide data including analog systems, standard definition digital systems, high definition digital systems and IP based systems. The system was designed for use in hotels, retirement communities, universities, prisons and hospitals but can be used in almost any headend or private cable system with the addition of the appropriate modulator.



Server and Software: \$1,499.00 ea.
Monthly Subscription: \$89.00 / Month



Ask about our special offer on DVQAM series high definition modulators when purchased with a channel guide system.



Transform Any TV Into A Digital Sign!

And Update It Remotely Using An Online Portal!

Earn Commissions!

SignEase helps businesses connect and control screens over the Internet.



SignEase is simple,
cost effective &
scalable.

Using a simple plug and play device, SignEase customers can turn any screen into a connected digital sign. Once a screen is connected it can be managed, updated, and monitored over the Internet using SignEase.

SignEase is Simple.

It leads to tremendous savings in money, time and effort.

Plug and Play Hardware

SignEase Connect allows businesses to turn any TV into a dynamic digital sign. Connect the screen of your choice to your own account using an Internet-connected plug & play device. Enterprise digital signage without the pain of a complex IT project!

Powerful, yet simple, Content Management System

More flexibility and control puts you in charge of your own marketing objectives!

- Publish videos, images, weather, schedules, menus, RSS feeds, and more in minutes.
- Template driven
- Drag and Drop publishing.
- No design or coding skills needed.
- Automation features allow you to set it and forget it.
- Self serve content management with a 15 minute learning curve.

Cloud Based Software

Be more productive. One login accessible from anywhere. Automatic free software updates, zero software infrastructure to maintain and software that works wherever and whenever you work.

Powered By:

DATA-TRONIX®

Ideal For Adding a Low Cost Channel Guide to Your Headend Systems!

DATA-TRONIX®

Miniature Digital Signage & Media Players

Features:

- Plays full-screen presentations of videos up to 1080p, fixed images & audio files.
- Easy, plug-n-play design makes changing signage content effortless. No logins or internet connection necessary
- Small footprint fits perfectly behind most display screens
- Internet or secondary source connection is not required for use as the presentations reside locally
- There is no recurring monthly subscription fee for either unit
- **Easy-to-use**
 - Effortless installation – As simple as connecting a DVD player
 - Intuitive GUI is easy to navigate and manage
 - Content management is straightforward & instinctive
- Dimensions: 3" x 2.25" x 0.5", 0.15 lbs.



No Internet Connection Required!



**DT-HDMP-1
\$89.99 ea.**

Description:

The DataTronix Mini Digital Signage Player allows you to display user created presentations that are informative and entertaining. These simple plug-n-play devices are capable of presenting full-screen slideshows and videos on any HDMI or composite input monitor. The Mini Digital Signage Player displays media files from a USB storage device or SD card, and does not require internet connectivity. Simply load your image, audio, or video files onto a flash drive and connect it to the Mini Digital Signage Player. The size of your presentation is only limited by the storage space of your USB or SD device.

Customize your slideshow presentations with user defined durations of 1, 3, 5 or 10 seconds per slide. Background music can also be inserted and played during a slideshow. Further customization options include a variety of transitions between images (vertical and horizontal Persian blinds, mosaics, wipes and random transitions). The small-size unit can be discreetly installed behind a monitor by using double faced tape, cable ties, or Velcro®. All units come with a remote control for accessing menu commands. For the clearest HD viewing experience, you can connect to the unit using a CableTronix brand HDMI cable (not included). A composite video 3.5mm breakout adapter cable is included for SD deployments.

The Mini Digital Signage player is perfect for retail stores, boutiques, hotel lobbies, restaurant entrances, transportation sites, medical offices, educational institutions, fitness centers and much more.

Technical File Compatibility Specifications:

Video Up To 1080P– MPEG1, MPEG2, MPEG4, H.264, WMV9/VC-1, MJPEG, FLV, MKV

Video Up To 720P RM/RMVB

Image - JPG, BMP, PNG, GIF

Audio - MP3, WMA, WAV, AAC, OGG, FLAC, APE, AC3, ATRA, DTS, RA

Subtitle - SSA, ASS, SUB, SRT, SMI, IDX+SUM

Ordering Information:

DT-HDMP-1 Miniature Digital Signage Player

Ordering Notes:

The DT-HDMP-1 units have HDMI and A/V outputs and ship with a 3.5mm to composite cable. These units offer HD through the HDMI output and SD only through the A/V output.

Contents Include:

- 1 Signage Player
- 1 Power Supply
- 1 Remote Control
- 1 3.5mm to RCA Cable
- 1 Instruction Manual

VM-DV4HD5-MICRO Micro Digital Signage Player

Features:

- 400+ Background slides ready for you to add text
- 15 Holiday Video Shorts included with the system
- Easy to use Signage Manager Software (PC interface)
- Signapps Express Software (with more advanced features when you are ready)
- Add your own slides, images, video or widgets to a playlist
- Segment the screen by using one of our templates, or develop your own.
- Play HTML5 Widgets for Time, News, Weather, RSS feeds, and Websites
- Schedule each presentation by Time of Day and Day of Week and Date Range or repeat the presentation on a 24/7 loop
- Built-in remote access by LAN and Internet
- Control multiple units remotely
- The standard Wi-Fi feature allows for easy wireless installation
- Solid state circuitry for long life and dependability
- 8 GB Flash Memory comes standard. (Memory upgradable to 32 GB)



The VM-DV4HD5-MICRO is a powerful communication tool that lets you schedule and display high impact video, stills, presentations and HTML 5 widgets over local and remote standard definition or high definition TV screens. Because it uses the Android OS, it integrates with Google Apps and can display presentations and calendar events that can be changed from any hand held device, anywhere in the world. Video outputs include, HDMI for High Definition playback or with our optional converter, AV output and stereo audio for standard definition playback. It is perfect for: Hotels, Restaurants, Hospitals, Senior Care, Condos, Schools, Government & Corporate Offices, Cable Companies and more! Simply add your media, schedule and export your presentation to the VM-DV4HD5-MICRO.

VM-DV4HD5 Full Size Digital Signage Player

Features:

- 400+ PowerPoint® background slides ready for you to add text
- Easy to use Signage Manager Software (PC interface)
- Add your own slides, images, video or widgets to a playlist
- Signapps Express Software (converts .ppt files to still images for playback)
- Segment the screen by using one of our templates, or develop your own.
- Play HTML5 Widgets for Time, News, Weather, RSS feeds, and Websites
- Schedule each presentation by Time of Day and Day of Week and Date Range or repeat the presentation on a 24/7 loop
- Display live HD video (via HDMI Input) with the DV4 HD5V
- Built-in remote access by LAN and Internet
- Control multiple units remotely
- The standard Wi-Fi feature allows for easy wireless installation
- Solid state circuitry for long life and dependability
- 8 GB Flash Memory comes standard. (Memory upgradable to 32 GB)



VM-DV4HD5-FULL
Digital Signage Player with HDMI Output

VM-DV4HD5V
Digital Signage Player with HDMI Output & Video Pass Through

The VM-DV4HD5 series is a powerful Communication tool that lets you schedule and display high impact video, stills, presentations and HTML 5 Widgets over local and remote standard definition or high definition TV screens. Because it uses the Android OS, it integrates with Google Apps and can display presentations and calendar events that can be changed from any hand held device, anywhere in the world. Video outputs include, HDMI for High Definition playback or with our optional converter, AV output and stereo audio for standard definition playback. It is perfect for: Hotels, Restaurants, Hospitals, Senior Care, Condos, Schools, Government & Corporate Offices, Cable Companies and more! Simply add your media, schedule and export your presentation to the VM-DV4HD5.

Zyper4K™ Distribute/switch 4K uncompressed video using Zyper4K encoders/decoders over industry standard 10Gb networks.

OVERVIEW

With a Zyper4K encoder (transmitter) by ZeeVee you can easily distribute both 1080p and 4K/UHD video - from any source to an unlimited number of displays directly over a standard 10Gb Ethernet switch. Using industry standard CAT 6a cables, or fiber, you can send audio and video from HDMI, SDI, Analog and Display Port source up to 100 meters - and using the USB port, control keyboards, mice, and camera's directly over your network. Zyper4K encoder also has a 1Gb direct network connection, ideal connecting other IP devices - without extra cabling. By using standard networking cables and switches, a Zyper4K solution can save up to 40% compared to the cost of conventional, proprietary AV switches - without sacrificing image quality, resolution and latency. For audio, Zyper4K distributes both analog and digital audio to each decoder - perfect for areas that need an affordable long distance audio solution. Zyper4K will also distribute infrared, RS-232, and IP control codes from virtually any controller, including those from AMX, and Crestron.

Zyper4K Key Features

- Multimedia-over-IP
- 4k/1080p over 10Gb Ethernet
- Zero compression
- Zero programming
- Flexible input/output configurations
- HDCP compliant
- Scalable architecture using leading 10Gb switches
- Uses either copper or fiber cabling infrastructure

Zyper4K Key Benefits

- Utilize existing network resources
- Rapid deployment
- Reduced operating costs
- Single network for AV and IT
- No more stranded investment

Why Zyper4K?

- Single platform for IT and AV
- Use either copper or fiber cabling infrastructure
- Leverage industry standard 10Gb Ethernet
- Easy to design
- Rapid deployment
- Rapid configuration
- Zero programming with the opportunity for customized interfaces and integration
- Scalable – no 32x32, 64x64, 128x128 limits
- Flexible – chose your 10Gb switch off the shelf and change inputs and outputs on the fly with no extra configuration
- Zero latency
- Cost effective – significantly lower TCO – reduced installation footprint and operating costs
- Single platform to support distributed displays AND Video Walls
- Quicker adoption by IT Community
- No more stranded investment in expensive AV switching platform
- Independent Signal Routing = Video-Audio-Control
- Seamless/fast switching
- Video wall and multi-view support





ZyPer4K Encoder/Decoder (Fiber or Cat6a)

- Distribute and share uncompressed video (1080p and 4K/UHD)
- Use fiber or Cat6a cabling
- Supports digital and analog audio
- Control connected displays and sources with RS232, Infrared or TCP/IP
- Z4K Copper Encoders/Decoders provide USB2.0 support using Icron ExtremeUSB® technology to support KVM, storage and video peripherals
- Supports Point-to-Point connectivity
- Includes a 1Gb Ethernet utility port
- Connect into off-the-shelf 10Gb Ethernet switches
- HDMI1.4 and HDCP2.0 Compliant
- Create multi screen video walls up to 5x5
- Embed and De-Embed Audio
- Decoders can downscale from 4k to 1080
- Dimensions, Fiber: 5.51 in x 3.832 in x 1.129 in (140.9 mm x 97.3 mm x 28.7 mm)
- Dimensions, Cat6a: 7.17 in x 5.0 in x 1.3 in (182.1 mm x 127 mm x 33 mm)



ZyPer4K Management Platform

- Preconfigured LINUX Appliance
- Feature rich API for 3rd party control systems (AMX, Control4, Crestron, etc.)
- Label sources and displays
- Independent Signal routing (Video, Audio, Control)
- Control source and display functions
- Define preset configurations
- Define routing and control schedules
- Detect new encoders/decoders
- Generate alerts
- Offline encoders/decoders
- Disconnected sources/displays
- Create and Manage Video walls (up to 5x5)



Rack Mount Enclosure (Z4KRACK)

- 4 RU Rack Mount assembly (for Fiber modules)
- Houses up to 8 (eight) ZyPer4K Fiber Encoders or Decoders
- Mount encoders/decoders vertically in any of 4 orientations
- Supports ideal airflow through units
- Enables neat installation and cable management
- Dimensions : 19.0 in (W) x 6.969 in (H) x 3.971 in (D)

5V PowerCenter

- 110/240V AC Power Input
- Presents 8x +5V/2.0A supply for connection of up to 8x ZyPer4K Encoders/Decoders
- Front to Rear cooling
- 19" Rack Mountable, 1RU
- Dimensions : 19.0 in (W) x 1.75 in (H) x 7.75 in (D) (Depth of Encoder/Decoder)



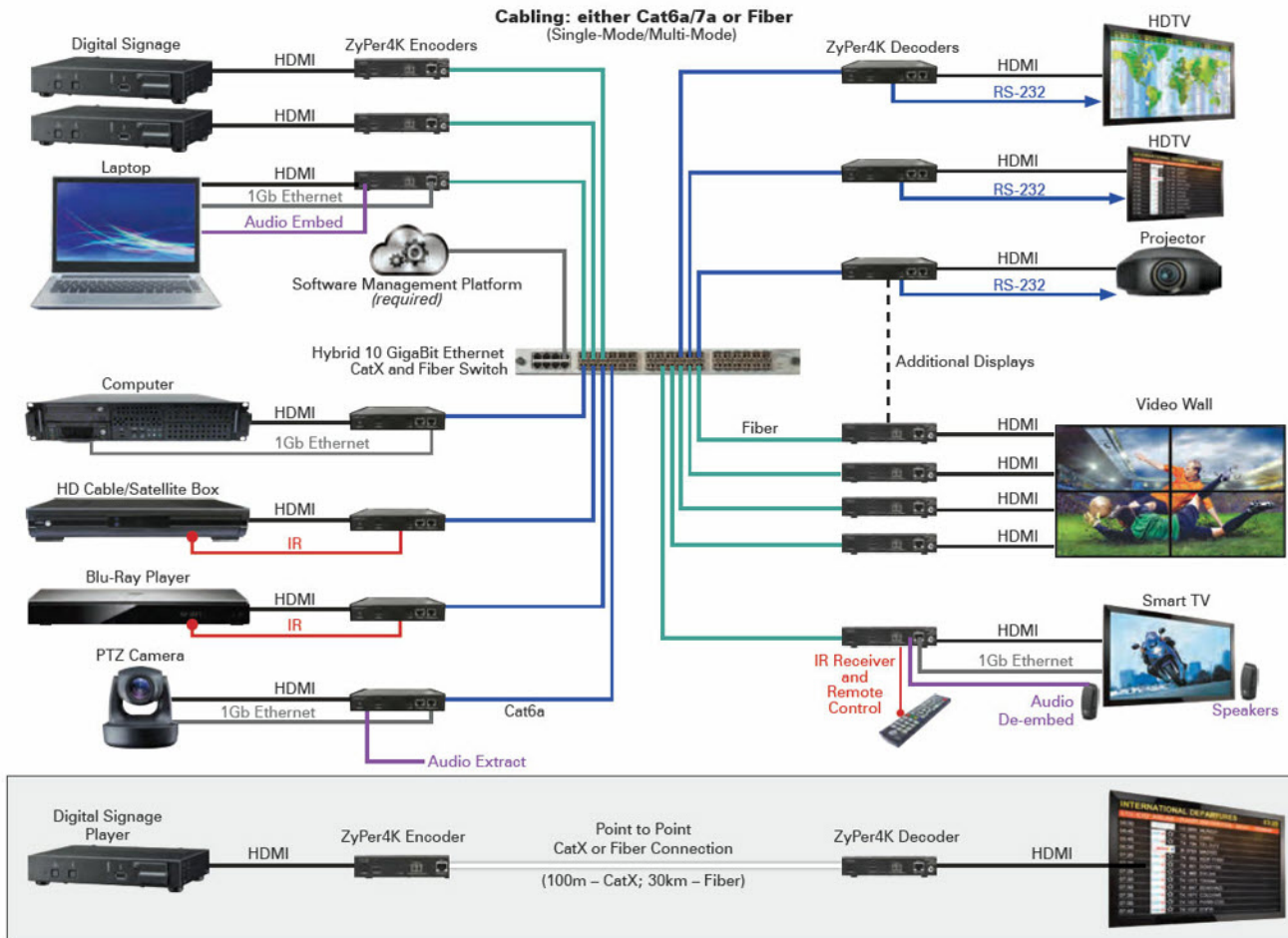
Fiber Optic Transceiver

- Small Form-factor Pluggable Transceiver
- Options for both Single Mode and Multi Mode Fiber
- Distances from 200m up to 40km
- Supports 850nm, 1310nm and 1550nm wavelengths
- Hot swappable to maximize uptime and simplify serviceability
- Use different SFP+ modules on a port-by-port basis to accommodate longer cable runs or cable types
- Can be used both on ZyPer4K Encoders/Decoders and on nearly all 10Gb Ethernet fiber network switches
- Supports digital optical monitoring (DOM)
- Certified for use with ZyPer4K encoders and decoders



SFP+ 10Gbps

- SFP+ Direct Access Cables (Copper Twinax Passive cables) offer a highly cost-effective way to connect ZyPer4K encoders/decoders to a 10Gb network switch and are suitable for short distances up to 6.0m
- These cables are used when your ZyPer4K encoders / decoders will be located in the same rack/close proximity to the 10Gb network switch. The SFP+ Direct Access cables support 10 Gb Ethernet connections and are compatible with all major brands of network switches
- Includes two SFP+ to SFP+ Connectors
- AWG24
- Compatible with all switches as Generic
- Replaces fiber patch cables with separate SFP+
- Available in 0.5m, 1.0m, 2.0m, 3.0m and 6.0m lengths



HDMI 2.0 Fiber

Z4KENC3	ZyPer4K, Single, HDMI 2.0, Transmitter (Encoder) Fiber, No USB
Z4KDECF3	ZyPer4K, Single, HDMI 2.0, Receiver (Decoder) Fiber, No USB
Z4KENC3U	ZyPer4K, Single, HDMI 2.0, Transmitter (Encoder) with USB, Fiber
Z4KDECF3U	ZyPer4K, Single, HDMI 2.0, Receiver (Decoder) with USB, Fiber
Z4KSDIENC3	ZyPer4K, Single, HDMI 2.0 with SDI, Transmitter (Encoder) Fiber, No USB
Z4KSDIENC3U	ZyPer4K, Single, HDMI 2.0 with SDI, Transmitter (Encoder) with USB, Fiber
Z4KDPENC3	ZyPer4K, Single, HDMI 2.0 with Display Port, Transmitter (Encoder) Fiber, No USB
Z4KDPENC3U	ZyPer4K, Single, HDMI 2.0 with Display Port, Transmitter (Encoder) with USB, Fiber
Z4KANLENC3	ZyPer4K, Single, HDMI 2.0 with Analog, Transmitter (Encoder) Fiber, No USB
Z4KANLENC3U	ZyPer4K, Single, HDMI 2.0 with Analog, Transmitter (Encoder) with USB, Fiber

HDMI 2.0 CatX

Z4KENCC3	ZyPer4K, Single, HDMI 2.0, Transmitter (Encoder) Copper, No USB
Z4KDECC3	ZyPer4K, Single, HDMI 2.0, (Decoder) Copper, No USB
Z4KENCC3U	ZyPer4K, Single, HDMI 2.0, Transmitter (Encoder) with USB, Copper
Z4KDECC3U	ZyPer4K, Single, HDMI 2.0, (Decoder) with USB, Copper
Z4KDPENC3	ZyPer4K, Single, HDMI 2.0 with Display Port, Transmitter (Encoder) Copper, No USB
Z4KDPENC3U	ZyPer4K, Single, HDMI 2.0 with Display Port, Transmitter (Encoder) with USB, Copper
Z4KANLENC3	ZyPer4K, Single, HDMI 2.0 with Analog, Transmitter (Encoder) Copper, No USB
Z4KANLENC3U	ZyPer4K, Single, HDMI 2.0 with Analog, Transmitter (Encoder) with USB, Copper
Z4KSDIENC3	ZyPer4K, Single, HDMI 2.0 with SDI, Transmitter (Encoder) Copper, No USB
Z4KSDIENC3U	ZyPer4K, Single, HDMI 2.0 with SDI, Transmitter (Encoder) with USB, Copper

Management Software with Appliance

Z4KMP24	ZyPer4K Management Platform, includes management for 1-24 endpoints (encoders + decoders)
Z4KMP48	ZyPer4K Management Platform, includes management for 25-48 endpoints (encoders + decoders)
Z4KMP120	ZyPer4K Management Platform, includes management for 49-120 endpoints (encoders + decoders)
Z4KMPS12	ZyPer4K Management Platform, includes management for 121-512 endpoints (encoders + decoders)
Z4KMPUNL	ZyPer4K Management Platform, includes management for unlimited endpoints (encoders + decoders)

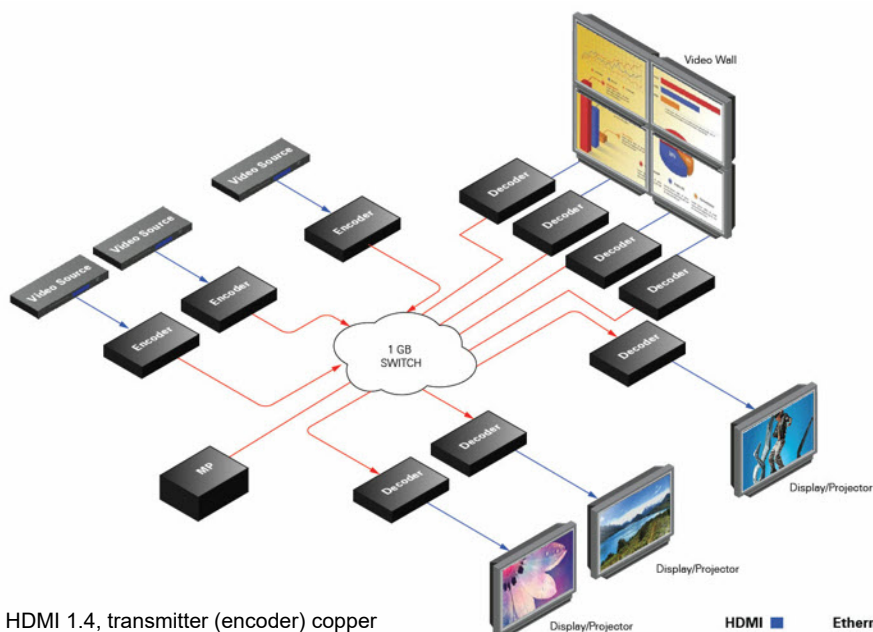
Feature Summary:

- Compressed HD (1080p) video, audio, and control using off-the-shelf (OTS) 1Gb Ethernet switches. Support for both analog and digital audio
- ZyPerMP (Management Platform) with Maestro software GUI allows simple set up and control of ZyPerHD. ZyPerMP also has an open API allowing control via 3rd party systems
- Power over Ethernet support (PoE)
- Video Wall support up to 4x4
- Source and display control (RS232)
- HDCP v2.x compliant
- ZyPerHD can also be used in a point-to-point configuration to encode a 1080p video source across a dedicated copper connection to a display up to 100m away



Overview:

With a ZyPerHD encoder (transmitter) you can easily distribute 720p or 1080p video from any source to an unlimited number of displays directly over a standard 1Gb Ethernet switch. Using industry standard CatX cables, you can send audio and video from any HDMI source up to 100 meters away with a clear picture. Each source with a ZyPerHD encoder can send HDCP copy protected HDMI signals to one or multiple displays without any loss of frames. ZyPerHD uses compression and can distribute video, digital audio, and control signals all over standard networking cables and network switches - eliminating the need for a traditional dedicated AV matrix switcher.



Ordering Information:

ZyPerHD-E	ZyPerHD, Gbit-Copper, HDMI 1.4, transmitter (encoder) copper
ZyPerHD-D	ZyPerHD, Gbit-Copper, HDMI 1.4, receiver (decoder) copper
ZHDRACK	Rack chassis
ZHDMP24	ZyPerHD Management platform for 1-24 endpoints (encoders + decoders)
ZHDMP48	ZyPerHD Management platform for 25-48 endpoints (encoders + decoders)
ZHDMP120	ZyPerHD Management platform for 49-120 endpoints (encoders + decoders)
ZHDMP512	ZyPerHD Management platform for 121-512 endpoints (encoders + decoders)
ZHDMPUNL	ZyPerHD Management platform for unlimited endpoints (encoders + decoders)

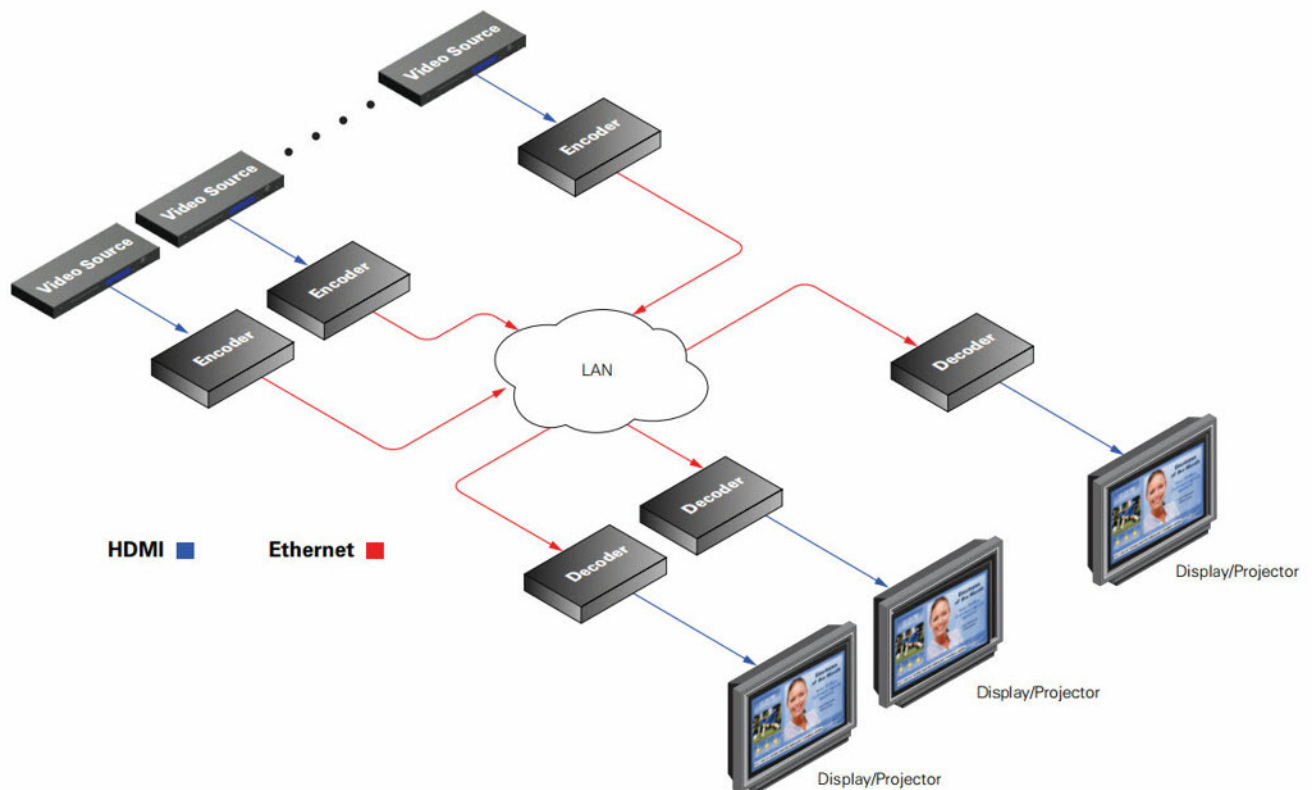
Feature Summary:

- H.264/MPEG-4 AVC encoding
- Supports input and output resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz
- Linear PCM input, Linear PCM or AAC audio output
- Built-in web server support facilitates control and configuration
- Configurable using DHCP or static IP addressing
- Supports an unlimited number of targets in multicast mode
- Field-upgradable firmware via built-in web server



Overview:

The ZyPerMX encoder is designed to encode and distribute video over a Local Area Network. Resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz are supported. Communicate directly with each encoder using the built-in web server, providing full access to configuration parameters, control, and features. Once connected to the network, the IP settings on the encoder can be configured automatically by a DHCP server or can be entered manually in static mode. Both multicast and unicast UDP and RTP data connections are supported. The ZyPer IP Encoder provides a complete and cost-effective solution for video-over-IP applications requiring high-performance and zero down-time in a dynamic environment.



Ordering Information:

ZMXENC1 ZyPerMX, Single transmitter (encoder)



Digital Cable Tuner



ZvSync

ZvSync is a digital cable tuner with HDMI, composite, and analog RF outputs.

It's small, affordable, and it can be used for:

- Projectors
- HDTVs Without Tuners
- Monitors
- Old TVs With No Digital Tuner
- HDMI, Composite and RF Outputs
- EAS Compatible
- Closed caption compatible
- Supports digital & analog RF video sources

Overview:

Have a projector, monitor or other display without a digital tuner? ZvSync is a digital cable tuner with HDMI and composite outputs. It can be used for any display that is not equipped with a built-in digital tuner, such as: projectors, HDTVs without tuners, commercial displays, monitors, and analog TVs. The ZvSync enables you to connect to any ZvPro or Hdbridge encoder / modulator and receive over 100 channels on your display. Perfect for sports bars, assisted living and education environments where you have both televisions and projectors. The ZvSync takes the signal via coax from the ZvPro and converts it to either an HDMI or composite video output that can be used on nearly any display.

ZvMXE IP Set-Top Box

ZvMXE is a high performance IP Set Top Box. Simply plug it into your television, connect to the Network, and begin watching television. Simple deployment and auto-discovery of ZeeVee generated IP feeds makes IP-based video deployment simple and straightforward. An extensible architecture means the ZvMXE platform will be able to evolve and expend the capabilities of your network over time. With ZvMXE, IP deployments are now as simple as RF deployments.

Features:

- ZvMXE auto-discovers the ZyPerMX and ZvPro iSeries streams, which are added automatically to the lineup.
- Additional channels/streams can be added manually.
- Support three main HD formats: H.264, MPEG-2, MPEG-4, and others.
- Supports many kinds of IPTV programs.
- Infrared remote control with programmable buttons allows direct control of the television (unified remote control for controlling user experience).
- Power supply is included.



General

Power DC Connector 12 VDC 1A
 Temperature/Humidity 0° C - 35° C
 Enclosure Dimensions 4.2 x 4.2 x 0.75 inches
 System Weight 175g

Video Input

Supported Resolutions Up to 1080i/p
 RJ45 One port RJ45 Ethernet

IP Stream Output

Stream Details MPEG2 - <=24 Mbps,
 MPEG4 <=approx 6-8MBps

Video Output

Output Format HDMI

Audio Output

Audio Output HDMI
 USB Port USB host - 2 USB 2.0 normal type (Type A)



VidCasterIP HD Over Ethernet

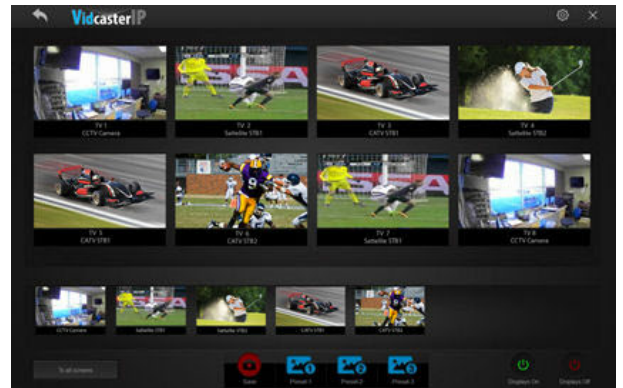
Stream HD video / audio content over existing IP networks with centralized control

DISTRIBUTE HD VIDEO ANYWHERE ON YOUR LAN

Send any source to any destination instantly, controlled by an iPad, Laptop or PC.

Features:

- Distribute encoded HD video to any point on a LAN, works on an existing network
- Add a decoder and HDMI monitor at any point on the LAN
- Freely add, remove or relocate sources and monitors at any time
- Create groups to easily send a source to multiple destinations
- PC, Laptop and iPad control allow control from any place on the LAN
- Central control client user interface over a computer or mobile device
- Perfect for sports books, arenas, convention centers, retail, bars, and restaurants with large TV systems
- Lower cost and more flexible than traditional matrix switchers
- Create up to a 40 input x 176 output distributed video matrix
- HDMI encoder inputs and decoder outputs
- Separate audio output for venue audio systems
- Fast and virtually seamless switching
- RS-232 control
- PoE
- Consumer Electronics Control (CEC)
- Controller Application Program Interface (API)
- Up to 1080P



Screen shot of VidCasterIP control app with 5 sources and 8 destinations

The Data-Tronix VidCasterIP is a hardware-based system for the distribution of HD audio/video content over existing IP networks. This solution allows properties to utilize their existing IP infrastructure to add HD video distribution without the additional expense of installing new wiring. The VidCasterIP system is designed for use in a wide variety of applications such as sports books, arenas, convention centers, conference rooms, retail, bars, and restaurants with large TV systems. Operation is as simple and intuitive as using an iPad or PC. The VidCasterIP system can be scaled to a matrix size of 40 HD inputs and as many as 176 HD display screens. With this budget friendly approach, the operator can scale a system's size over time by adding additional HD sources and receive points as the need and budget allows.

Simple hardware

The VidCasterIP system consists of 3 types of devices:

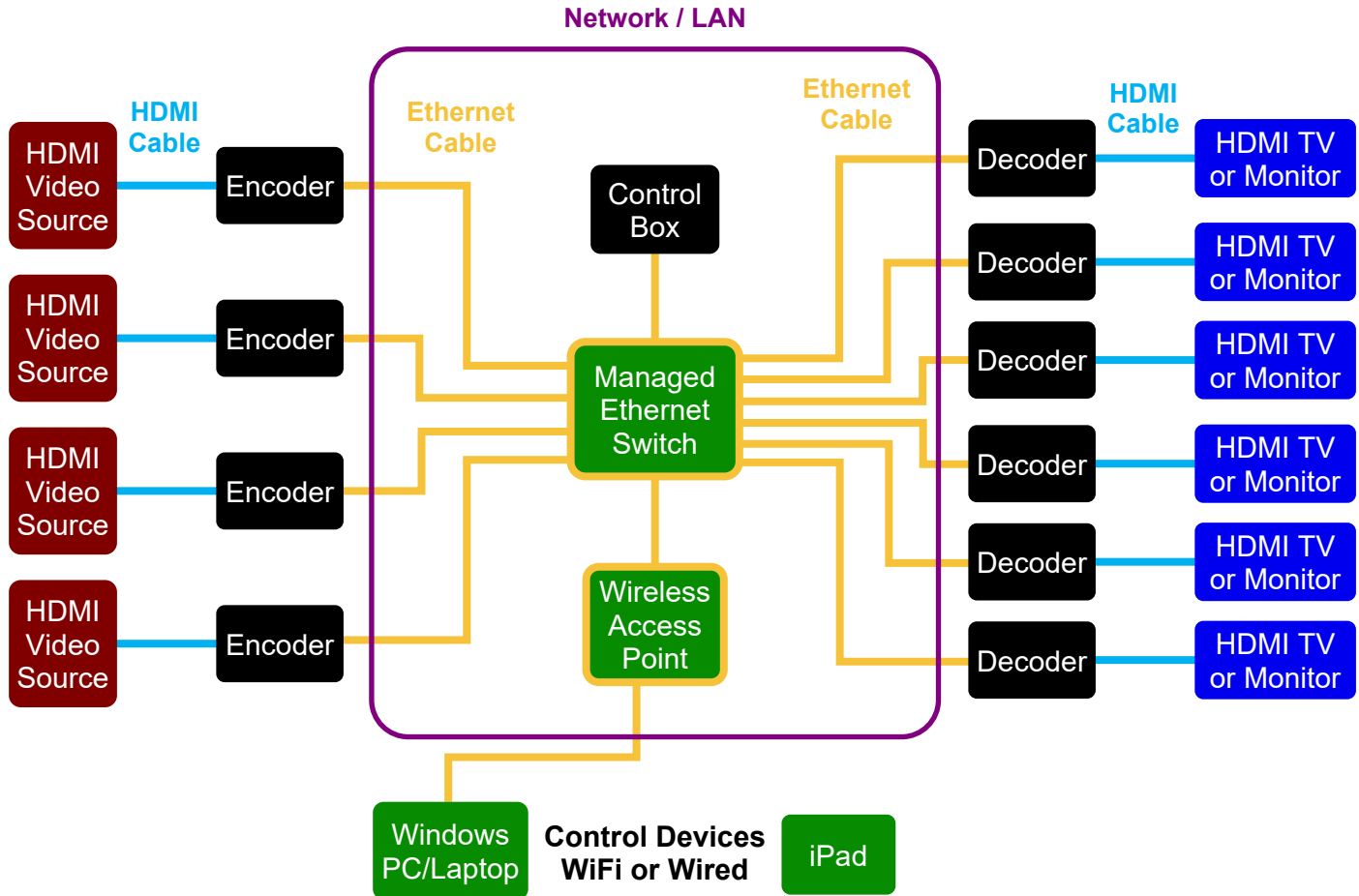
- **Encoders** (transmitters) receive an HDMI signal from a video source such as a digital signage player, Blu Ray® player*, set top box, CCTV camera, etc. The transmitter encodes the signal and places it on the network where it may be decoded at any point on the LAN.
- **Decoders** (receivers) receive the signal from the network and convert it back to HD video. The HDMI output of the decoder is connected to an HDMI-compliant TV or monitor for viewing content up to 1080P resolution.
- **Control Box** (One per system) The VidCasterIP Control Box receives routing commands from a user interface, such as an iPad or PC on the network, then communicates which signal each decoder should display. This solution allows the operator the advantage of creating "display groups" to allow multiple endpoints to receive instantaneous content changes via one operator command. For example, placing one of several sources (a set top box with the big game on) to all, or only to specific TVs, while placing other programming to other TVs.

Ideal For Sports Bars, Restaurants, Corporate Campuses, Malls & Airports!

VidcasterIP

Virtual Video Matrix

VidCasterIP HD Video Streaming Transceivers
Stream HD video / audio content over existing
IP networks with centralized control



DT-HDVD-IPSTR-12PK VidCasterIP Rack Shelf

Ordering Information:

DT-HDVD-IPSTR-ENC	VidCasterIP Encoder / Transmitter
DT-HDVD-IPSTR-RX	VidCasterIP Decoder / Receiver
DT-HDVD-IPSTR-CB	VidCasterIP Streaming device control box
DT-HDVD-IPSTR-12PK	Rack shelf to hold up to 12 encoders



DT-HDVD-IPSTR-RX VidCasterIP Decoder / Receiver



DT-HDVD-IPSTR-ENC VidCasterIP Encoder / Transmitter



DATA-TRONIX is a registered trademark of NACE in the United States and/or other countries.

* The names of actual companies, products and technologies mentioned herein may be trademarks of their respective owners.

DT-HDVD-M2MLT Series HD Streaming Transmitter & Receiver

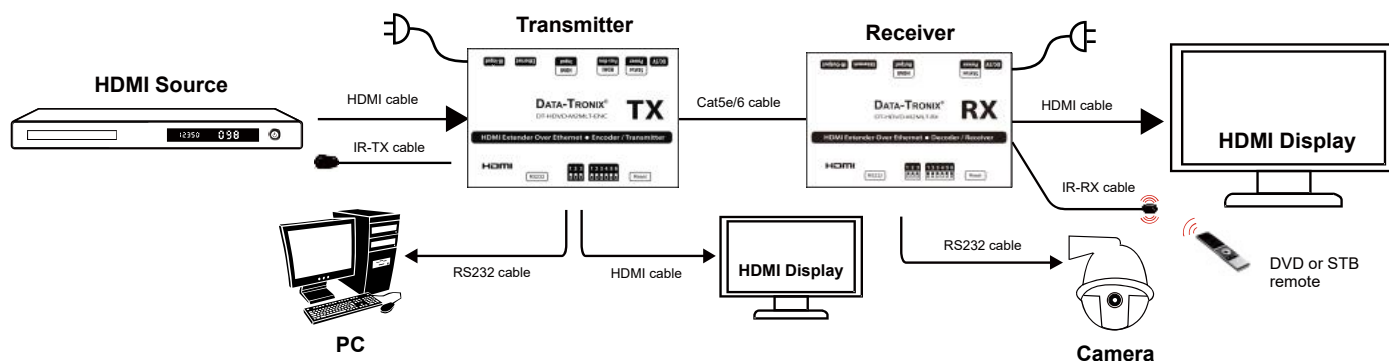
Features:

- Distributes multi-point to multi-point HDMI signal over an ethernet
- Extends transmission distance up to the full operating distance of the ethernet.
- Capable of point to point with one transmitter and one receiver
- Features H.264 compression
- Supports resolutions up to 1080p @ 60HZ, with data transmission speed up to 2.25 Gbps
- Supports LPCM audio format, sample rate 48 kHz
- Complies with TCP/IP protocol for transmission, with streaming bit rates up to 15Mbps.
- HDCP compliant
- Supports RS232 pass through
- Supports Wide-band IR (38 kHz ~ 56 kHz)
- DHCP, automatic assignment for Transmitter and Receiver

**Multiple Sources to
Multiple Destinations!**



The DT-HDVD-M2MLT Series is an HD Video Streaming set which includes an HDMI transmitter and HDMI receiver for real-time distributing of up to 1080p video over an ethernet. This HDMI over IP Extender uses H.264 compression. The units can be used in a point to point application to distribute a single HDMI source to a single video receive site or in a multi-point to multi-point application to distribute HDMI sources to multiple receive sites using an external Ethernet. They support transmission up to 330' over a single cat5e/6 cable when the TX and RX are connected directly using an Ethernet cable (no switch) also known as point to point. When using an Ethernet switch topology, the signal transmission length will be consistent with Ethernet distance limitations. For extremely long runs, fiber optic transmission systems can be employed. Both the transmitter and receiver are powered via a local DC power supply (included).



Ordering Information:

DT-HDVD-M2MLT-ENC H.264 HDMI Video Encoder
DT-HDVD-M2MLT-RX H.264 HDMI Video Decoder

DT-HDVD-M2MLT Series HD Streaming Transmitter & Receiver

Specifications:

Performance

Protocol	H.264 encoding over TCP/IP
Video format	480i/480p/576i/576p/720p/1080i/1080p@60HZ
Audio format	LPCM, Audio sampling rate 48kHz
Streaming Bit Rate	15Mbps
HDCP	Compliant
IR Frequency	38 -56 kHz
RS232 Baud rate	2400 (default) - 115200

IP setting & Group ID setting

Default IP	TX: 192.168.1.11 ; RX: 192.168.1.12
Group ID	Group 00 - group 63
Request for Switch/Router	Supports IGMP, supports DHCP

Connectors on Transmitter

Input	1xHDMI Female port
Output	1x RJ45 output , 1x HDMI loop through
RS232	DB9 Female port
IR	IR TX port

Connectors on Receiver

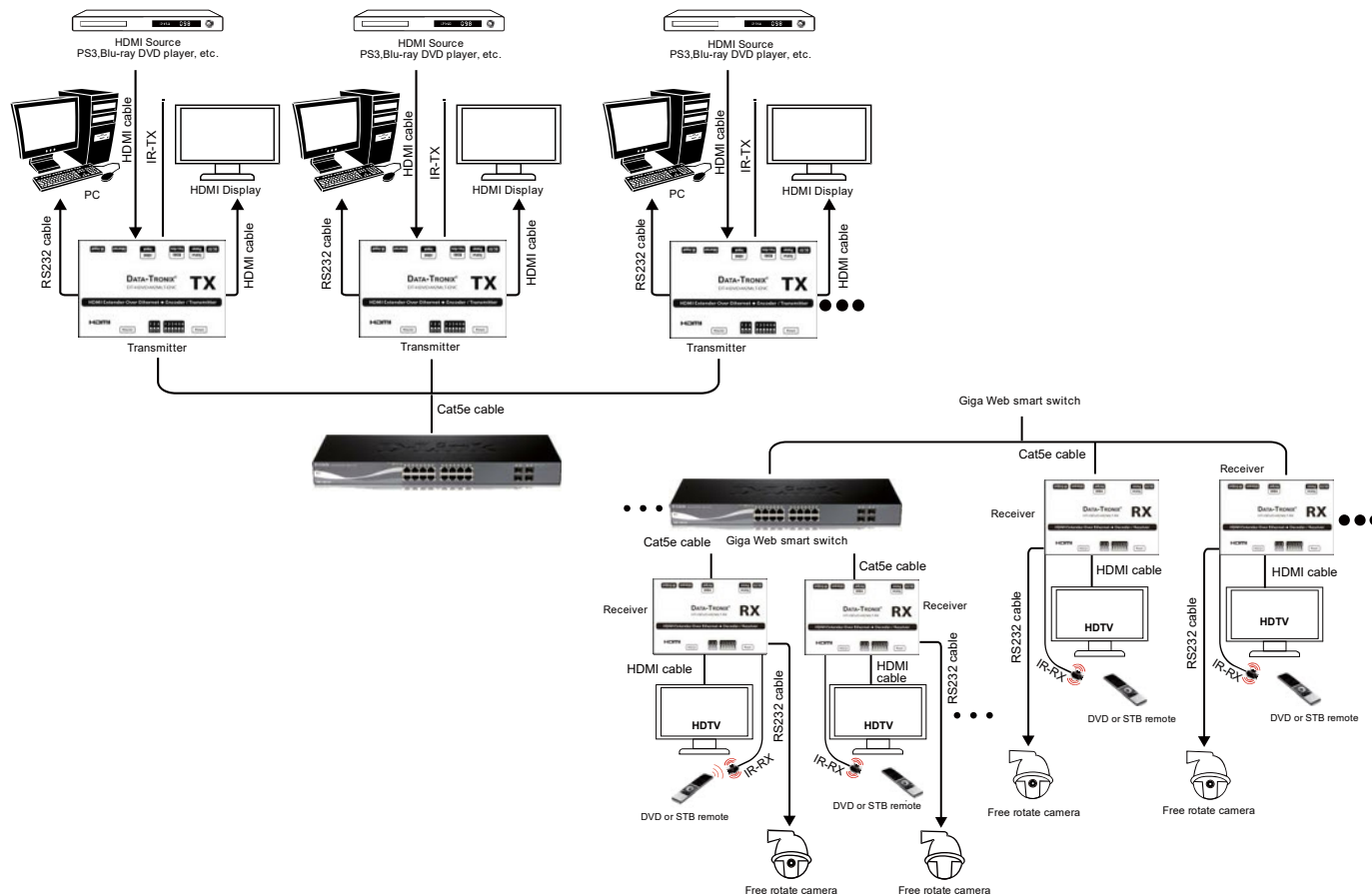
Input	1xRJ45 input
Output	1x HDMI Female port
RS232	DB9 Male port
IR	IR RX port

Environmental & Power Requirements

Operating temperature	23° to 95°F
Operating Humidity Range	5% to 90%RH (No Condensation)
Power supply	5V DC 1A
Power consumption	Max 3 watt

Physical

Dimension	4.7"x3.1"x1.1"
Net Weight	TX: 0.6 lbs. : RX:0.6 lbs.





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with compelling value

CTOR Series Equipment Racks



	Overall Height	# Of 1.75" Spaces	Weight	Base Dimensions
CTOR-36	36 3/4"	18	26.8 lbs.	20" x 20"
CTOR-48	51"	26	32.0 lbs.	20" x 20"
CTOR-71	71 3/4"	39	36.8 lbs.	20" x 20"
CTOR-84	84 1/4"	47	40.4 lbs.	20" x 20"
CTOR-36-4-KIT	Rear post kit to upgrade CTOR-36 rack to a 4 post unit			
CTOR-48-4-KIT	Rear post kit to upgrade CTOR-48 rack to a 4 post unit			
CTOR-71-4-KIT	Rear post kit to upgrade CTOR-71 rack to a 4 post unit			
CTOR-84-4-KIT	Rear post kit to upgrade CTOR-84 rack to a 4 post unit			
CTOR-BASE	Replacement base & hardware for CTOR series racks			



\$14.99 / 100 Pack
CT-RMS-100
100 Pack Cabletronix
heavy duty rack
screws with washers

3' Free Standing Equipment Rack For
19" Rack Mountable Equipment



CTOR-36 CTOR-36-4-KIT

CTOR-36 \$79.99 ea.
3' Equipment Rack

CTOR-48 \$79.99 ea.
4' Equipment Rack

CTOR-71 \$94.99 ea.
6' Equipment Rack

CTOR-84 104.99 ea.
7' Equipment Rack



...competitive technologies
with compelling value

Equipment Racks With Recessed Front Mounting Option



Features:

- Front rails threaded on front and rear provide two mounting options
- Recessed mounting option allows room for equipment with front panel connections
- Rear rail option
- Black powder coat finish
- 10-32 Rack rail threading
- Base is predrilled for optional caster mounting
- Rear and front rail threading is aligned for level mounting of items that require four points of support

The CTOR-**-D series are free standing equipment racks for 19" rack mountable equipment. These racks features front rails that are threaded on the front and back allowing two options for equipment mounting. Mounting to the front side of the front rail holds equipment flush to the front of the rack. Mounting on the back side of the front rail holds equipment back 3 inches from the front of the rack allowing extra space for equipment with front panel connectors or extended front panel controls. The optional CTOR-**-4-KIT-D rear rail kit provides an additional two rear rails allowing for rear mounting of equipment or for heavy equipment that requires four points of support.

Specifications:

Rack	4'	6'	7'
Overall Height	50.75"	73"	85.5"
Overall Width	20"	20"	20"
Depth of Base	22.75"	22.75"	22.75"
Overall Weight (with rear rails)	41.7 lbs.	53.0 lbs.	58.0 lbs.

Rack Front Clearance

Front of base to front of front rail	2"	2"	2"
Front of front rail to back of front rail	3"	3"	3"
Front of base to back of front rail	5"	5"	5"
Front of front rail to back of rear rail	20.75"	20.75"	20.75"
Back of front rail to back of rear rail	17.75"	17.75"	17.75"

Number of Rack Spaces

Front of Front Rail	26 RU (45.5")	40 RU (70.0")	47 RU (82.25")
Back of Front Rail	22 RU (38.5")	36 RU (63.0")	43 RU (75.25")
Back of Rear Rail	27 RU (47.25")	40 RU (70.0")	47 RU (82.25")

Ordering Information:

CTOR-48-D	4' Equipment rack, 2 Post, includes base, front rails and front crossbar
CTOR-48-4-KIT-D	Rear rail kit for CTOR-48-D, includes 2 rear rails and top supports
CTOR-71-D	6' Equipment rack, 2 Post, includes base, front rails and front crossbar
CTOR-71-4-KIT-D	Rear rail kit for CTOR-71-D, includes 2 rear rails and top supports
CTOR-84-D	7' Equipment rack, 2 Post, includes base, front rails and front crossbar
CTOR-84-4-KIT-D	Rear rail kit for CTOR-84-D, includes 2 rear rails and top supports
CT-RMS-100	Heavy duty rack screws, 10-32 Threading, includes nylon washer
CT-CASTER-SET4-2WL	Set of four casters, 2 locking





ERK Series Enclosures

19" welded stand-alone / gangable enclosures.

Features:

- Fully welded construction
- 2,500 lb. weight capacity
- 1/8" thick structural steel internal braces
- UL Listed in the US and Canada
- Seismic certified (when used with ERK-Z4 option) with an Ip value of 1.5
- 22" OD width, available 20", 25" or 28" OD depth
- 1/2", 3/4", 1" & 1-1/2" electrical knockouts on removable split rear plates top and bottom, easily removable for cable pass-through. Top plates additionally include UHF / VHF knockouts
- Standard front, optional rear 11-gauge 10-32 threaded, fully adjustable rackrail with numbered rackspace increments
- Keylocked solid rear door standard, optional vented rear doors available
- Optional vented, solid or plexi-glass front doors available
- Configurable top options on 44, 40, and 35 space sizes, solid, vented & multiple fan tops available
- Durable black textured powder coat finish
- Available in 6 height options from 35.625" to 81.125" overall height
- Optional caster base available



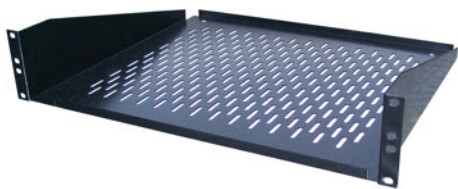
DWR Series Wall Mount Enclosures

Pivoting, sectional wall cabinets ideal for larger systems
in both secured and non-secured areas

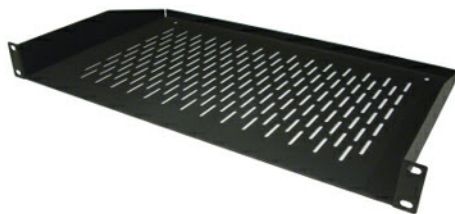
Features:

- Available in 17", 22", 26" and 32" overall depths with 15", 20", 24" and 30" of useable depth
- Tool-Free Quick-Mount™ system for easy, one-person mounting of the center section to the backpan on the jobsite
- New center section rear channel accommodates slim power to save space
- Optional minimum-clearance latch allows side-by-side or interior corner mounting
- 16-gauge steel construction with 1/8" thick laser-cut corner braces
- Reversible padlockable center section is keyed differently from optional front door for security
- 2" knockouts, 4" knockouts for Wiremold 4000® Series raceways, and knockouts for UCP Series universal connector panels on side
- Grounding/bonding stud in top and bottom of center section and backpan facilitates proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- Finished in a durable black textured powder coat
- UL listed in the US and Canada



**SHELF-SLT \$31.99****2 Space Rack Shelf**

- 19" Rack mountable
- 2 Rack spaces High (3.5")
- 15" Deep
- Slotted for superior ventilation
- Heavy duty to prevent sagging

**SHELF-SLT-1U \$24.99****1 Space Rack Shelf**

- 19" Rack mountable
- 1 Rack spaces High (1.75")
- 10.75" Deep
- Slotted for superior ventilation
- Heavy duty to prevent sagging

**CT-8PK-D12 \$79.99****8 Receiver Adjustable Rack Shelf Designed for DIRECTV D12 Receivers**

Holds receivers up to
2 3/8"W x 7 13/16"D

**CT-8PK \$69.99**
8 Receiver Adjustable Rack Shelf

Holds receivers up to
2 1/16"W x 10 1/4"D

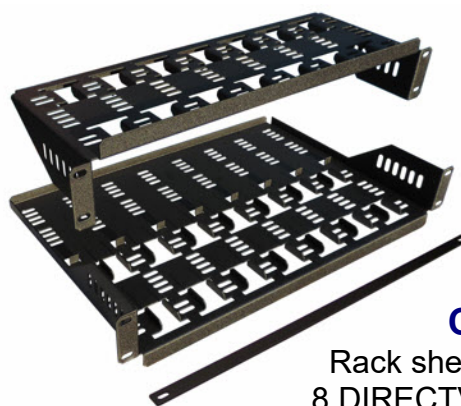
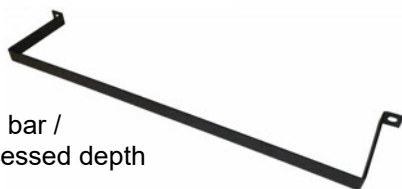
If the receiver is deeper than the number shown, it will still fit nicely into the shelf but will protrude from the front of the shelf.

\$6.99 ea.**CT-D12-BENT-BAR**

19" Recessed retention bar /
Cable lacing bar, 4" recessed depth

\$6.99 ea.**CT-D126PK-BENT-BAR**

19" Recessed retention bar /
Cable lacing bar, 2 1/8" recessed depth

**\$89.99****CT-8PK-H25**

Rack shelf to hold up to
8 DIRECTV H25 satellite
receivers in a standard
19 inch equipment rack.

Top Shelf is 6.5 Inches deep,
Bottom Shelf is an extended 12.5" to hold H25
power supplies. Holds receivers up to 1 3/16
Inches with 7/8 Inch spacing between receivers.

**CT-5PK-D \$69.99 ea.**
5 Receiver Adjustable Rack Shelf

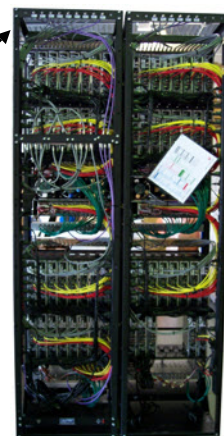
Holds receivers up to
3 3/8"W x 13 1/4"D

Rack Interface Plates CT-RIPU-1-SHIP-DT

RIP Plates mount at the top of
the back side of your equipment
racks for convenient identification
of all inputs and outputs.

Features:

- Perfect for organizing all of your headend inputs and outputs in one convenient location on your equipment rack
- Clearly labeled to save time and avoid confusion
- Can be rack mounted or mounted on the top back of a rack with a rear rail kit
- Quick turnaround





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Equipment Rack Accessories

Equipment
Racks



CT-FEB-E Series Economy Blank 19" Rack Panels Black Finish

CT-FEB-E-1U \$4.67 ea.

One Rack Space (1.75"H)

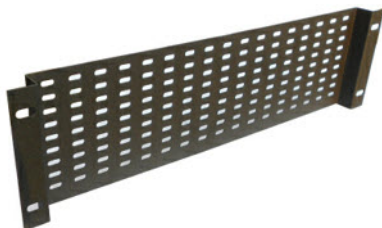
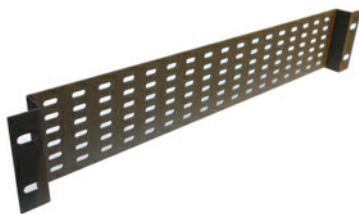
CT-FEB-E-2U \$7.19 ea.

Two Rack Spaces (3.5"H)

CT-FEB-E-3U \$9.39 ea.

Three Rack Spaces (5.25"H)

CT-FEB RMP Series Slotted, Recessed 19" Rack Panels Black Finish



CT-FEB-2RMP \$16.99 ea.

Two Rack Spaces (3.5"H)

CT-FEB-3RMP \$17.99 ea.

Three Rack Spaces (5.25"H)



\$14.99 / 100 Pack

CT-RMS-100

100 Pack Cabletronix
heavy duty rack
screws with washers

Blank Rack Interface Plates CT-RIPU-1



Equipment Rack Casters

CT-CASTER-SET4-2WL \$49.90 / Set

Set of 4 commercial grade casters
2 Locking, 2 Non-Locking



Clearance!
\$7.99 ea.

CT-D12-MP \$19.99 ea.

Power wiring harness for up to 8 DIRECTV
D12 satellite receivers. Powers up to
8 receivers while only using a single AC
outlet. Reduces excess bundled AC wiring
behind receivers.

DT-HCMP Series 19" Rack Mountable Cable Management Panels With Metal Rings, Black Finish



DT-HCMP-1U **\$10.99 ea.**

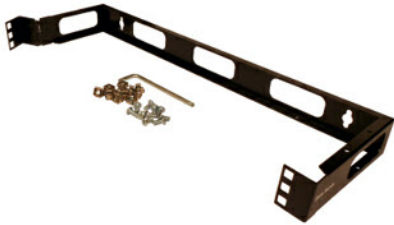
One Rack Space (1.75"H)



DT-HCMP-2U **\$15.99 ea.**

Two Rack Spaces (3.5"H)

DT-HWM Series 19" Wall Mountable Open Racks, Hinged On One Side



DT-HWM-1U **\$24.99 ea.**

Single Space Wall Mount Rack

- 1 Space (1.75") High
- 5.25" Deep
- Includes cage nuts, rack screws & tool
- Black finish



DT-HWM-2U **\$27.99 ea.**

Two Space Wall Mount Rack

- 2 Space (3.5") High
- 6.5" Deep
- Includes cage nuts, rack screws & tool
- Black finish



DT-HWM-4U **\$34.99 ea.**

Four Space Wall Mount Rack

- 4 Space (7") High
- 6.5" Deep
- Includes cage nuts, rack screws & tool
- Black finish



\$29.95 ea.

CT-LCD-141A-B

LCD Bracket Mount For 13"-42" LCD or LED TVs

- Perfect for mounting a test TV or monitor to an equipment rack
- Mounts cleanly on the side of a rack rail
- Allows for the test TV or monitor to be folded back against the rack to remain out of site



**24" HD Television
UN24H4000BF**

Features:

- Perfect for use as a test TV in a headend rack
- 720p Resolution
- 2 HDMI Inputs, 1 USB connection, 1 Component input, 1 Shared composite input
- RF input with ATSC & clear QAM tuner

Rack Mountable Sliding Shelf SSL



Features:

- Occupies one rackspace
- 35 lb. capacity, with 11-3/8" extension nylon roller slides
- Adjustable rear support to mount in most racks (15.1" to 23.9" range)
- Shelf area 16" wide by 13 3/4" deep
- Steel construction with black laminate shelf



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Rack Mountable High Velocity Triple Fan Blowers

Product Description

The CT-FANRK-B is a rack mountable ventilation system that incorporates 3 individual fans in a 3-rack space (5.25") housing. A single two-prong AC plug is attached to all three fans to minimize the number of outlets needed. The fans are reversible to provide either exhaust or air intake.

The CT-FANRK-B operates with a very low amount of noise while maintaining a high volume of air movement. Each individual fan is capable of moving up to 92 cubic feet of air per minute for a combined flow of up to 276 CFM.

Application

The CT-FANRK-B is highly recommended above any chassis mounted modulator set. One CT-FANRK-B should be used with each bank of modulators even when the chassis is not completely full.



CT-FANRK-B

Features

- Three individual fans in 5.25" of rack space (3 rack spaces)
- Reversible fans for air intake or exhaust
- Low noise, High volume
- Black powder coat finish
- All three fans are tied into 1 AC plug

Ordering Information

CT-FANRK-B	Rack mountable, horizontal high velocity triple fan blower	\$64.99 ea.
CT-FANRK-B-PLUS	Rack mountable, horizontal high velocity triple fan blower, all metal unit	\$89.99 ea.

Features

- Three individual fans in 1.75" of rack space (1 rack space)
- Fans draw air in through the bottom and out the front
- Low noise, High volume
- Black powder coat finish
- All three fans are tied into 1 power source, power adapter included



CT-FAN3-QTRK-B

Product Description

The CT-FAN3-QTRK-B is a rack mountable ventilation system that incorporates 3 individual fans in a single rack space (1.75") housing. A single power output is attached to all three fans to minimize the number of outlets needed. The fans draw air in from the bottom of the chassis and out through the front of the chassis.

The CT-FAN3-QTRK-B operates with a very low amount of noise while maintaining a high volume of air movement. Each individual fan rotates at 2300 revolutions per minute (+/- 10%) for a combined 6,900 RPM of air flow.

Application

The CT-FAN3-QTRK-B is highly recommended above any chassis mounted modulator set. One CT-FAN3-QTRK-B should be used with each bank of modulators even when the chassis is not completely full.

Ordering Information

CT-FAN3-QTRK-B	Rack mountable, vertical high velocity triple fan blower, ultra-quiet model
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Power Strips & Surge Protectors

CT-PCHRM9

Rack Mountable 9 Outlet Power Strip



\$74.90 ea.

Features:

- 9 Outlets, 8 Rear, 1 Front
- 1 15 Amp Circuit
- EMI Filtering
- Surge & Spike Protection
- Master Power Switch
- 19" Rack Mountable
- 1.75" (1RU) High, 9" Deep
- 10' UL Listed Power Cord

CT-PCVRM24-ETL

Rack Mountable 24 Outlet Vertical Power Strip



\$69.90 ea.

Features:

- 24 Outlets Total
- Outlets Spaced Evenly
- 1 15 Amp Circuit with Circuit Breaker
- Lighted on/off switch
- 60"L x 1.5"W x 1.5"D, Gray casing
- 10' Power Cord
- UL or ETL Listed
- Mounting Brackets Included

CT-PCVRM12

Rack Mountable 12 Outlet Vertical Power Strip



\$41.90 ea.

Features:

- 12 Outlets Total
- Outlets Spaced Evenly
- 1 15 Amp Circuit with Circuit Breaker
- 2.2 Lbs.
- 35"L x 1.5"W x 1.5"D, Gray casing
- 10' Power Cord
- UL or ETL Listed
- Mounting Brackets Included

DATA-TRONIX®

1200VA UPS Backup with 3 AC Outlets

Model: DT-UPS-1200

Rate Capacity: 1200VA

Power factor: 0.6

Input: 70 - 145VAC 40-70Hz ±5%

Output: 110 - 120 VAC 50-60Hz

Waveform: Square wave (battery mode)

Battery recharge time: 10 hours

\$125.00 ea.

1200VA UPS Backup



\$11.99 ea.

451-16

6 Outlet Plastic Surge Strip,
150 Joules, UL Listed

CISP-HR

Cable Isolator With Spike Protection

Features:

- 5 - 1,000 MHz
- <1 dB Insertion loss
- F Female connections
- Blocks 60 Hz power up to 5,000 Volts
- Reduces energy level of spikes
- Eliminates ground loop Hum
- Does not degrade with repetitive spikes
- Electronic clamping IC technology (SIDACtor)

\$12.90 ea.





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Home Theater, HDTV, Digital TV HDMI® Cables & Adapters

The latest generation of HDMI cable!

Check out the features:

Ethernet Channel – Adds high-speed networking to an HDMI link, allowing users to take full advantage of their IP-enabled devices without a separate Ethernet cable.

Audio Return Channel – Allows an HDMI-connected TV with a built-in tuner to send audio data "upstream" to a surround audio system, eliminating the need for a separate audio cable.

3D – Defines input/output protocols for major 3D video formats, paving the way for true 3D gaming and 3D home theater applications.

4K Support – Enables video resolutions far beyond 1080p, supporting next-generation displays that will rival the Digital Cinema systems used in many commercial movie theatres.

Content Type – Real-time signaling of content types between display and source devices, enabling a TV to optimize picture settings based on content type.



Home
Theater



Swivel Head HDMI Cables

- Available in 3', 6', 10' & 15' Lengths
- Perfect for tight installations behind televisions
- Swivel connections on both ends
- Same great quality as our standard HDMI cables



CT-HD-F/F
HDMI Female To
HDMI Female
Adapter
\$4.90 ea.

Ordering Information:

CT-HDVC-3	3' HDMI Cable	\$3.99 ea.
CT-HDVC-6	6' HDMI Cable	\$5.19 ea.
CT-HDVC-10	10' HDMI Cable	\$8.69 ea.
CT-HDVC-15	15' HDMI Cable	\$12.99 ea.
CT-HDVC-30	30' HDMI Cable	\$39.99 ea.
CT-HDVC-50	50' HDMI Cable	\$59.99 ea.

CT-HD-90S
90 Degree HDMI
Swivel Adapter
\$4.90 ea.



CT-HDVC-3S	3' HDMI Cable with swivel head	\$4.19 ea.
CT-HDVC-6S	6' HDMI Cable with swivel head	\$5.39 ea.
CT-HDVC-10S	10' HDMI Cable with swivel head	\$9.79 ea.
CT-HDVC-15S	15' HDMI Cable with swivel head	\$13.59 ea.

Economy Next Generation HDMI Cable Series Featuring Audio Return Channel and Ethernet Channel

DT-HDVC-EC3	3'	\$2.49 ea.
DT-HDVC-EC6	6'	\$2.99 ea.



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High Definition HDMI® Splitter / Amplifier Series

Features:

- Splits HDMI Inputs to 2, 4 or 8 HDMI outputs
- Identical signal quality on all outputs
- Multiple units can be cascaded to provide more outputs
- Perfect for residential or commercial applications
- Housed in attractive, low profile casings
- Designed with the quality conscious customer in mind
- Affordably priced



\$49.99 ea.

CT-HDVD2X2SPL

2 Input, 2 Output HDMI Splitter



\$69.99 ea.

CT-HDVD-MINI1X4SPL

1 Input, 4 Output HDMI Splitter



\$132.99 ea.

CT-HDVD1X8SPL

1 Input, 8 Output HDMI Splitter

Features:

- Splits 1 HD Input to 2 HD outputs
- Identical signal quality on both outputs
- Multiple units can be cascaded to provide more outputs
- Supports full 3D and 4K x 2K resolution
- 340 MHz / 34 Gbps per channel, (10.2 Gbps all channels) bandwidth
- 12 bits per channel (36 bits all chs) deep color
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD)

CT-HDVD-MINI1X2SPL \$37.99 ea. Miniature 1 x 2 HD Splitter / Amplifier





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CT-VGA-EXT Baluns For VGA Over Cat5e

Features:

- Passive design, no power required
- Supports up to 1280 x 1024 pixels
- Transmits up to 450' via standard 4 pair Cat5e
- Transmitter includes built in virtual DDC to avoid improperly setting of resolution and frequency
- Transmitter includes built in sync mode selection for signal stability
- Receiver includes built in sync filter level adjustment for signal stability



\$89.90 / pr.

Baluns For Composite Video & Stereo Audio Over Cat5e CT-AV-EXT

Features:

- Transmits composite video & stereo audio over cat5e or cat6 cable
- Extends transmission distance up to 1,000'
- Passive design, no power required
- Compact design



\$54.99 / pr.

Description:

The CT-AV-EXT is an audio/ video balun kit consisting of two interchangeable units (a transmitter and receiver) that boosts video/audio transmission distance up to 1000 feet. With low-cost CAT-5/5e users can easily extend audio/video sources from digital set top boxes, DVD players, game consoles, PC and other sources to distant televisions.

CT-COMP-EXT Baluns For Component Video & Digital Audio Over Cat5e



Features:

- Transmits component video & digital audio over cat5e or cat6 cable
- Extends transmission distance up to 1,000' from sources at 480i/p
- Extends transmission distance up to 500' from sources at 1080i or 720p
- Extends transmission distance up to 500' for digital audio

\$67.99 / pr.

Description:

The CT-COMP-EXT is a video/digital audio balun kit consisting of two interchangeable units (a transmitter and receiver) that boosts component video/audio transmission distance up to 1000 feet. With low-cost CAT-5/5e or CAT-6 cable, users can easily extend component sources from digital set top boxes, DVD players, game consoles, PC and other sources to distant component-enabled televisions. The transmission distances between the two units can be up to 1,000 feet at 480i/p, 500 feet for 720p and 1080i, and 500 feet for digital audio. All transmission distances are measured using Belden CAT-5e cable.



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CT-HDVD-FIBEXT Interference Free HDMI Over Single-Mode Fiber Up to 12.4 Miles (20,000 Meters)

Features:

- Transmits HDMI up to 20,000 Meters (20 KM) over single core, single-mode fiber, 1310nm
- Supports resolutions up to 1080p
- SC Fiber Connections
- Immune to electromagnetic interference (EMI)
- Supports LPCM7.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio
- Supports deep color
- Support Infrared control
- Supports Lip sync, CEC pass-through, HDCP pass-through
- DIP switches for EDID, deep color & Calibration
- Reverse IR extension from Receiver back to transmission source



\$399.90 ea.



\$39.99 ea.

CTMM-10

Single Channel Analog Modulator
Digital Tuning, Agile Output

- Extended channel range, UHF 14 to 78 and CATV 65 to 135 (excluding 95 –99)
- RF output gain control
- Output level: 17 dBmV
- Single RCA audio input directly on the unit
- Audio and Video AGC
- Recessed front panel control to avoid accidental channel changing
- Precise digital PLL control
- Multiple video content distribution to all TVs in the home without the purchase of additional video devices

CT-HDVD-HDCX-IR HDMI Over a Single Coaxial Cable



Features:

- Distributes HDMI signal over a single coaxial cable
- Extends transmission distance up to 2,300' from sources up to 1080p
- Uses a single coaxial cable
- Supports 1080p @ 60Hz
- LED indicators
- Strong anti-interference ability
- Can be used as one transmitter to one receiver, one transmitter to multiple receivers or multiple transmitters to multiple receivers
- Link distance is dependent upon cable type (RG-6, RG-7, RG-11 etc.) and frequency/channel setting
- Supports IR switching at the receive unit

CT-HDVD-HDCX-IR
CT-HDVD-HDCXIR-RX

HDMI Over Coax transmitter / receiver kit
Extra receive unit for CT-HDVD-HDCX-IR



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Features:

- Supports 1 input (VGA & Audio) and 3 HDMI inputs
- Audio extraction
- Supports 4K x 2K
- Input ports priority: VGA > HDMI1 > HDMI 2> HDMI3.
- Supports HDMI and VGA inputs
- HDMI 1.4 with 3D
- HDCP compliant
- EDID management
- Firmware updates via Mini-B USB

\$97.90 ea.

Description:

The CableTronix CT-HDVD-4X14K-SW is the perfect solution for managing multiple sources of audio and video. It provides three inputs for direct connection of HDMI devices. This switch has an additional VGA and Audio input also. Analog Audio inputs can be embedded in HDMI signal, and a pair of RCA outputs make the extraction of audio for direct connection to amplifiers. Simply press one button to select your desired HDMI source for display on the HDTV. It can be widely used in digital entertainment centers, control centers, conference rooms, schools and corporate training environments.

CT-HDVD-4X14K-SW 4 x 1 High Definition Switcher



Home
Theater

Features:

- Allows up to eight HDMI audio/video devices to be independently switched to eight HDMI monitors, HDTV's or projectors
- Each of the eight output channels can show the same or different sources simultaneously whether the source is HDCP or not.
- Reads and saves EDID functions from displays
- Supports 4K x 2K
- Supports high definition resolutions including: 1080p@60Hz@48 b/pixels, 3D, 1080i, 720p and other standard video formats
- Each port supports HDMI and DVI inputs
- Includes infrared extension receiver
- Switching modes: front panel, local IR, RS232, RS485 and Ethernet
- HDMI 1.4 with 3D
- HDCP compliant

\$1,299.90 ea.

Description:

The Cabletronix CT-HDVD-8X84K-MTX is an 8 input by 8 output HDMI matrix switch. It allows any of the eight Input channels (HDMI) to be routed to any of the eight Output Channels (HDMI), no matter whether the source is HDCP or not. Users can choose several different ways to control the matrix: by using the supplied infrared remote control, RS232, RS485, or LAN connections. The CT-HDVD-8X84K-MTX internal EDID library features default EDID configurations, in addition to native EDID data for any output/display. This unit offers solutions for digital entertainment centers, HDTV retail displays, trade show displays, HDTV, STB, DVD and projector factories, data center control, information distribution, conference room presentation, school and corporate training environments.

CT-HDVD-8X84K-MTX 8 x 8 High Definition Switcher





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CT-HDEXT5-330

HD, Ethernet, RS-232, Infrared Control
& PoE Over a Single Cat5e / 6

Features:

- Distributes HDMI, 10/100 Ethernet, bi-directional infrared Control, RS232 & power over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 330' from sources up to 1080p
- Includes HDMI Loop through feature
- No settings or adjustments required
- Uses a single UTP LAN cable (CAT-5e / 6)
- UTP cable termination follows the standards of IEEE-568B
- Auto-adjustment of feedback, equalization & amplification
- HDMI V1.4 supported
- HDCP compliant
- Internal ESD protection
- Mounting ears included



\$239.90 / Pr.



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CT-HDEXT-330-B

Transmit HD Signals with Audio &
Infrared Control Over a Single Cat5e / 6

Features:

- Distributes HDMI & bi-directional infrared control over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 330' from sources up to 1080p
- No settings or adjustments required
- Uses a single UTP LAN cable (CAT-5e / 6)
- HDCP compliant
- Uncompressed HDI video signal
- Supports full HD 1080p @ 60Hz, 3D, 4K x 2K
- Supports CEC, 24bit Deep Color
- Supports LPCM audio and compressed DTS-HD, Dolby® True HD
- Powered over network cable, only requires a power supply at one end (either transmitter or receiver)

\$199.90 / Pr.





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Features:

- Distributes HDMI signal over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 180' from sources up to 1080p
- No settings or adjustments required
- Uses a single UTP LAN cable (CAT-5e / 6)
- Auto-adjustment of feedback, equalization & amplification
- HDMI V1.3 supported
- HDCP compliant
- Internal ESD protection
- Wall mountable
- Supports 1080p @ 60Hz @ 48 b/pixels, 3D and 4Kx2K
- LED indicators indicate power and video signal status
- Supports two way Infrared control signals
- Units can be cascaded.

**Extend HDMI Signals
Up to 180 Feet!**

CT-HDVD-EXT-IR180 HD & Infrared Control Over a Single Cat5e / 6



\$119.90 / Pr.

Features:

- Distributes HDMI signal over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 650' using Cat6
- Point to point with one transmitter and one receiver or point to multi-point with one transmitter & multiple receivers with an ethernet switch
- No settings or adjustments required
- Uses a single UTP LAN cable (CAT-5e / 6)
- HDMI V1.3 compliant
- HDCP compliant
- Supports 1080p @ 60Hz
- Powered via local DC power supply or via PoE Ethernet switch
- LED indicators indicate power and video signal status
- Easy to use plug and play design
- Locking power connection to avoid accidental power loss

Description:

The CT-HDVD-HDSTR-KIT is an HD Video Streaming set which includes an HDMI transmitter and HDMI receiver for real-time extending and distributing 1080p video up to 650 feet (200m) using Cat6 or better and up to 575 feet (175m) using Cat5e. The units can be used in a point to point application to distribute a single HDMI source to a single video receive site or in a point to multi-point application to distribute a single HDMI source to multiple receive sites using an external ethernet switch. Both the transmitter and receiver can be powered via a local DC power supply or over the ethernet link using a Power over Ethernet (PoE) switch.

Multi-Zone HD Streaming Transmitter & Receiver Kit

CT-HDVD-HDSTR-KIT

\$149.00 ea.

Point to Point Kit

CT-HDVD-HDSTR-RX

\$69.00 ea.

Additional Receive Unit

CTPS-5V

\$12.00 ea.

Power Supply
for Receive Unit





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Features:

- Transmits an HDMI signal from source device to a display device up to 400' with line of sight or 150' through normal buildings
- 5.8Ghz transmission frequency
- Full HD 1080p transmission
- Compliant with HDMI and HDCP
- Supports IR remote control function to source device
- Up to 4 receivers can connect to a single transmitter
- No cabling is required between transmitter and receiver
- Low profile design with an simple and clean installation

Description:

The CT-HDVD-HDWR-KIT is a long range wireless HDbitT HDMI AV transmitter that can extend high definition audio and video to any HDTV display up to 400' away with line of sight or 150' through normal buildings. It supports HD resolutions up to 1080p and provides remote transmission of infrared control from the monitoring device to the source device. The CT-HDVD-HDWR-KIT is the perfect solution for distributing high definition video and audio in locations where wires can not be run.

Ordering Information:

CT-HDVD-HDWR-KIT	Wireless HDMI Transmitter & Receiver Kit
CT-HDVD-HDWR-RX	Additional HDMI Wireless Receiver

CT-HDVD-HDWR-KIT

HD Wireless Transmitter & Receiver Kit

Up to 400' Line of Sight Transmission



\$379.90 ea.

Stop HDMI Handshake Conflicts, Set it & Forget it!

Features:

- Allows for the manual selection of HD resolution
- One HDMI input, one HDMI output
- Sixteen total EDID correction modes
- HDMI Input and output is bi-directional
- Supports 4K and Consumer Electronics Control (CEC)
- Supports HDMI input and output cable lengths of up to 15 feet



CT-EDID-1

HDMI Extended Display Identification Data (EDID) Emulator



\$79.99 ea.

Description:

The CableTronix CT-EDID-1 manages and controls the Extended Display Identification Data (EDID) information between HD Sources and HD displays to lock in a resolution and eliminate many synchronizing issues. The unit allows for the manual selection of HD resolution in instances where the automatic EDID function can not handshake with the source and the sink device such as a display, splitter, converter, extender or other HDMI device. With Sixteen available EDID correction modes and the ability to support 4K and Consumer Electronics Control (CEC) installers only need to keep one model in stock for even the most uncommon installations. The CT-EDID-1 is bi-directional and supports HDMI cable lengths of up to fifteen feet at the input and output.



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Features:

- One HDMI Input
- One VGA output with a separate 3.5mm audio output
- Resolution Conversions
 - 480p HDMI input - 640 x 480 VGA output
 - 720p HDMI input - 1280 x 720 VGA output
 - 1080p HDMI input - 1920 x 1080 VGA output
- Dimensions: 4.25"W x 3.0"L x 1.0"H

\$37.99 ea.

Description:

The CableTronix CT-HD/VGA-CONV is a high definition video converter which accepts a single HDMI input and provides a single VGA output with a separate 3.5mm audio output. The unit supports HDMI input resolutions of 480p, 720p, 1080i & 1080p and provides VGA output resolutions up to 1920 x 1080. HDMI, VGA and 3.5mm cables sold separately.

CT-HD/VGA-CONV HDMI to VGA Converter



NEW!

Package Contents:

- 1 HDMI to VGA converter
- 1 Power supply
- 1 Operating Instructions



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with compelling value

Features:

- One VGA Input & One 3.5mm audio input
- One HDMI output
- Resolution Conversions
 - 640 x 480 VGA input - 480p HDMI output
 - 1280 x 720 VGA input - 720p HDMI output
 - 1920 x 1080 VGA input - 1080p HDMI output
- Dimensions: 4.25"W x 3.0"L x 1.0"H

\$41.99 ea.

Description:

The CableTronix CT-VGA/HD-CONV is a high definition video converter which accepts a single VGA input and a single 3.5mm audio input and provides a single HDMI output. The unit supports VGA input resolutions of up to 1920 x 1080 and provides HDMI output resolutions up to 1080p. HDMI, VGA and 3.5mm cables sold separately.

CT-VGA/HD-CONV VGA to HDMI Converter



NEW!

Package Contents:

- 1 VGA to HDMI converter
- 1 Power supply
- 1 Operating Instructions



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Features:

- Allows for HDMI runs totaling 100'
- Female to female connections
- Line powered
- Dimensions: 2.0"L x 1.0"W x 0.5"H

CT-HD-RPTR In Line HDMI Repeater

\$12.90 ea.

Description:

The CableTronix CT-HD-RPTR allows for HDMI cable runs at a total distance of up to 100 feet. This is achieved with a maximum run of 75 feet from the source device to the CT-HD-RPTR and an additional 25 feet from the CT-HD-RPTR to the viewing location. The extended distance is achieved without degradation by regenerating the incoming HDMI signal through a process of decoding and re-encoding the signal to provide new standard HDMI signal. The unit is powered by voltage over the cabling from the HDMI source.



NEW!

DATA-TRONIX® DT-USBWP-DUAL-**A-WH

USB Charging Wall Plates For AC Outlets

The USB Charging Solution

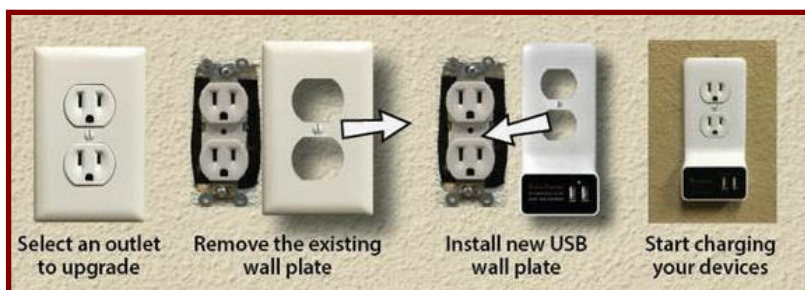
Features:

- Replaces existing outlet wall plate in seconds
- Charge two devices simultaneously
- Fast Charge devices which support Fast Charging
- Leaves both wall outlets free for household devices
- 15A and 20A Models now available
- Make any standard AC outlet USB compatible in seconds
- Fits over existing standard AC wall outlet
- No wiring & no batteries
- AC Outlet not included
- Single gang
- ETL Rated
- For residential grade outlets
- White finish



Ask Us About Our Private Labeling Program

The Data-Tronix Dual USB Charger is incorporated into a sleek duplex wall plate which installs literally in seconds. Simply remove the old standard wall plate and replace it with the USB wall plate using a single screw. The new USB wall plate will make electrical connections with the outlet automatically. With 3100mA total power output, it has the power to charge virtually every phone and tablet on the market. 15 Amp and 20 Amp versions are now available.



DT-USB DECORA-WH

Decora Style

~~\$22.99 ea. 1-49~~

~~\$19.99 ea. 50+~~

DT-USBWP-DUAL-15A-WH

15 Amp

~~\$21.99 ea. 1-9~~

~~\$19.99 ea. 10-49~~

~~\$17.99 ea. 50+~~

DT-USBWP-DUAL-20A-WH

20 Amp

~~\$23.99 ea. 1-9~~

~~\$21.99 ea. 10-49~~

~~\$19.99 ea. 50+~~

Ordering Information:

DT-USBWP-DUAL-15A-WH

DT-USBWP-DUAL-20A-WH

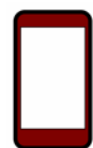
DT-USB DECORA-WH

USB Charging Wall Plate for 15A Outlets

USB Charging Wall Plate for 20A Outlets

USB Charging Wall Plate for 15A and 20A Outlets, Decora Style

Special Offer!
Get Any DataTronix USB
Wall Plate For **\$12.49 ea.**
Any Quantity, While Supplies Last.



Phones



Media Players



Speakers



Tablets



Gadgets



Cameras



Wearables



Video Splitters & Converters

CT-HDVP-5X1 5 Input, 1 Output HDMI® Switcher

Features:

- 5 HDMI Sources can be switched to a single HDMI monitor
- Supports HDMI signals up to 1080p
- Can be switched via front panel selector button or via infrared remote control
- Supports HDMI lengths of up to 75 feet for both the input and output (150 feet total)

\$39.99 ea.



DA-41HP

1 x 4 Component Video & Audio Splitter / Amplifier

Features:

- Splits one component video, one composite video along with left and right audio signals to up to four viewing locations
- All RCA connections
- Individual gain controls for each component and composite video input port
- Multiple units can be cascaded to provide more outputs
- Low profile, wall mountable plastic housing

\$99.99 ea.



CT-RGB/HD-CONV RGB to HDMI® Converter

\$64.99 ea.

Features:

- Allows you to connect YPbPr HDTV sources to an HDMI display
- Encodes digital audio onto the video signal for HDMI video & audio
- Supports HDTV/YPbPr
- Supports HDTV resolution up to 1080p



ST-VGA/RCA

VGA to Baseband Video Converter

Features:

\$34.99 ea.

- Converts VGA to baseband video
- Perfect for PC Video games, multimedia & internet on TV
- 2D Flicker filter provides perfect static image quality
- Resolution up to 1024 x 768
- Powered from PC USB port
- Window can be resized and moved
- Zoom select area of images
- Adjustable brightness, contrast and saturation
- 1 RCA, 1 S-Video & 1 VGA output
- 1 VGA Input



ST-BNC/VGA

Baseband Video to VGA Converter

Features:

- Supports: 800 x 600, 1024 x 768, 1024 x 1440 & 1280 x 1024
- Adjustable brightness, contrast, color saturation & hue
- Converts baseband video to VGA
- 1 BNC, 1 S-Video & 1 VGA Inputs
- 1 VGA Output
- Retains settings after power failure
- Low profile design
- Rugged metal housing

\$43.50 ea.





Commercial Grade Amplifier & Speakers

SD-MA240W Bluetooth® Compatible Four Zone Audio Mixing Amplifier, 70V / 100V

Features:

- Four output zones
- 19" Rack mountable
- 240W Power rating
- 70V / 100V
- Designed for residential or commercial applications
- Total harmonic distortion of less than 0.5% at 1kHz rated power
- Professional quality at an affordable price

\$289.90 ea.



The Symphonic Designs SD-MA240W is a professional quality, four zone mixing amplifier with excellent features and a variety of inputs and outputs. This unit is perfect for mixing inputs from USB, Bluetooth, MP3 recorder/players, tape decks, CD players and a variety of other audio sources and distributing them to up to four output zones. The SD-MA240W can be racked in a standard 19" rack or set on a shelf for stand alone use.

The Symphonic Designs SD-MA240W mixing amplifiers have been designed with the quality conscious commercial integrator in mind. Designed for commercial use, these mixing amplifiers are perfect for a wide variety of custom installations.

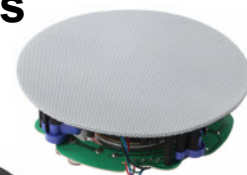
SD-CSP6.5-1 6 1/2" In-Ceiling Recessed Speakers

Features:

- 6 1/2" Frameless in-ceiling recessed speaker
- 60 Hz - 20 Khz Frequency response
- 60 Watts RMS power
- Kevlar woven cone woofer
- Titanium dome tweeter
- 8 Ohm Impedance
- White paintable grill
- Grill attaches magnetically
- Sold individually

Magnetic Grill!

\$32.90 ea.



SD-INDCL-6.5 6 1/2" In-Ceiling 70V Recessed Speaker

Features:

- 6 1/2" Frameless in-ceiling recessed speaker
- 70 Hz - 20 Khz Frequency response
- 50 Watts RMS power
- Mineral filled polypropylene cone woofer
- PET dome tweeter
- 8 Ohm Impedance
- White paintable grill
- Grill attaches magnetically
- Sold individually

Magnetic Grill!

\$69.90 ea.



SD-ODS5.25-1 5.25" Weatherproof Outdoor Speaker

Features:

- 5.25" Weatherproof outdoor speaker
- 60 Hz - 20 Khz Frequency response
- 60 Watts RMS power
- Mineral filled polypropylene cone woofer
- Titanium dome tweeter
- 8 Ohm Impedance
- Black aluminum grill
- IP56 Weather rating
- Sold individually

\$54.90 ea.





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CT-LCD-101-B Extending Television/ Monitor Wall Mount

Specifications:

- Black aluminum material
- For VESA standard 75 x 75mm and 100 x 100mm
- Max loading capacity: 15kg / 33lbs
- Aluminum material
- Swivels left and right up to 180 degrees
- Upwards and downwards up to 70 degrees
- Max extension: 365mm, Min extension: 55mm
- Ideal space saver: folds flat to the wall
- Hardware included

\$16.95 ea.



Wall Mounts For Plasma or LCD Televisions & Monitors

CT-PLB-14B

\$39.95 ea.

Wall Mount For Plasma Or LCD Television/Monitor

Specifications:

- Max. loading capacity: 165lbs
- Universal inclinable wall support for large plasma and LCD TVs
- Modern streamlined design
- Ideal for 37" to 70" screens
- 0° to 15° Adjustable tilt
- 31.5" Back Plate
- Black finish



CT-LCD-504A-B Ceiling Television/Monitor Mount

Specifications:

- For VESA standard 50/75/100/200/200X100mm
- Max loading capacity: 66 pounds
- Suitable for LCD from 23" to 42"
- Steel material, Black finish
- Swivels left and right up to 190 degrees
- Tilts upwards and downwards up to 20 degrees
- Mast extends 19.7" to 33.5"

\$17.95 ea.



CT-PLB-CE3-B Ceiling Mount Adapter For PLB Series Mounts

\$22.95 ea.

Specifications:

- Universal ceiling bracket adapter for plasma/LCD mounts
- Max loading capacity: 165lbs
- Color: Black
- Rotates 360 degrees
- Mast adjusts from 34.28" - 61.47"

**Must be used in conjunction with
a CT-PLB series wall mount**



CT-PLB-41E-B Ultra-thin LCD/PDP Wall Bracket Mount

- For 37-70 inch screens
- Universal mounting pattern
- Max. hole pattern: 32.45" (824mm) wide and 16.15" (410mm) high
- < 3/4" (19mm) TV to wall
- **Bubble level integrated**
- Color: Black
- Loading capability: 65kg/132lbs.

\$22.95 ea.



CT-LED-7100B Wall Mount For Large Flat Screen TV/Monitor

Specifications:

- Fits most 60" - 100" LED, LCD flat panel TVs
- Fits mounting hole patterns up to 923 x 610mm
- Max.VESA: 600 x 900
- Low profile of 32 mm
- Max loading capacity: 220lbs
- UL approved

\$39.99 ea.



CT-PLB-18B Black **\$35.95 ea.**

Wall Mount For Plasma Or LCD Television/Monitor

Specifications:

- Universal wall bracket for 32"-55" screens
- Simple design
- Hardware included
- Max loading capacity: 165lbs
- Tilt downwards 15 degrees



\$29.95 ea.



**CT-LCD-141A-B
LCD Bracket Mount For 13"-42" LCD or LED TVs**

- Includes VESA Adaptor
- Tilt: 15 degree up/down, Swivel: 180 degree
- VESA: 75x75/100x100/200x100/200x200
- TV to Wall: 3.82" (97mm) - 16.42" (417mm)
- Loading Capacity: 20kg/44lbs.

\$26.95 ea.



**CT-LCD-142A-B
LCD Bracket Mount For 13"-42" LCD or LED TVs**

- Includes VESA Adaptors
- Tilt: 15 degree up/down, Swivel: 180 degree
- VESA: 75x75/100x100/200x100/200x200
- TV to Wall: 3.82" (97mm) - 10.12" (257mm)
- Loading Capacity: 20kg/44lbs.

\$21.95 ea.



**CT-LCD-143A-B
LCD Bracket Mount For 13"-42" LCD or LED TVs**

- Tilt: 15 degree up/down, Swivel: 30 degree
- VESA: 75x75/100x100/200x100/200x200
- TV to Wall: 3.82" (97mm)
- Loading Capacity: 20kg/44lbs.

Cantilever Arm TV Wall Mount Brackets With Integrated Bubble Level

\$37.95 ea.



**CT-PA-924B
Single Arm Cantilever
LCD/PDP Wall Bracket Mount**

- For 32-55 inch screens
- Universal mounting patterns
- Tilt: 10° down
- Swivel: 180°
- Max. hole pattern: 16.5" (420mm) wide and 9.3" (237mm) high
- Profile: 3.75" (95mm) - 22.65" (575mm)
- **Bubble level integrated**
- Color: Black
- Load capacity: 40kg/88lbs

\$44.95 ea.



**CT-PA-944B
Single Arm Cantilever LCD/
PDP Wall Bracket Mount**

- For 32-55 inch screens
- Universal mounting patterns
- Tilt: 10° down
- Swivel: 180°
- Max. hole pattern: 16.5" (420mm) wide and 16.15" (410mm) high
- Profile: 3.75" (95mm) - 22.65" (575mm)
- **Bubble level integrated**
- Color: Black
- Load capacity: 45kg/99lbs

\$51.95 ea.



**CT-PA-948
Double Arm Cantilever
LCD/PDP Wall Bracket Mount**

- For 37-70 inch screens
- Universal mounting patterns
- Tilt: 10° down
- Swivel: 180°
- Max. hole pattern 32.25" (820mm) wide and 16.15" (410mm) high
- Profile: 3.75" (95mm) - 22.65" (575mm)
- **Bubble level integrated**
- Color: Black
- Load capacity: 60kg/132lbs



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Flush Mount LED TV Mounts

With Integrated Bubble Level

**Hospitality Volume
Discounts Available!**

CT-LED-024B

LED TV Bracket Mount For 32"-55" TVs

- Easy mounting design
- Built in bubble level
- Universal mounting patterns
- Overall mount dimensions 484x97mm/19"x3.8"
- VESA: 200x200,300x300,400x200,400x400
- Super Slim design sits just 14.5mm from wall to complement the sleek look of ultra-thin TVs
- Pull-down cords enable easy display attachment and detachment
- Click stand feature holds TV away from wall for cable installation
- Material: Steel
- Color: Black
- Loading Capacity: 50kg/110lbs
- UL Listed



\$19.95 ea.



The CT-LED-024B super slim wall mount is designed to emphasize the sleek look of ultra-thin flat-panel TVs by placing them just 14.5mm from the wall. Its pull-down cords enable easy display attachment and detachment. It supports most 32"-55" flat-panel TVs up to 50kgs/110lbs. Its click stand holds TV away from wall for cable installation. VESA compatible up to 400x400.

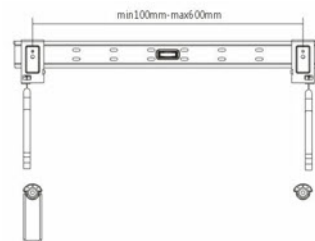
CT-LED-026B

LED TV Bracket Mount For 37"-70" TVs

- Easy mounting design
- Integrated bubble level assures easy installation alignment
- Universal mounting patterns
- Overall mount dimensions 684x97mm/27"x3.8"
- VESA: 200x200,300x300,400x200,400x400,600x400,600x600
- Super Slim design sits just 14.5mm from wall to complement the sleek look of ultra-thin TVs
- Pull-down cords enable easy display attachment and detachment
- Click stand feature holds TV away from wall for cable installation
- Material: Steel
- Color: Black
- Loading Capacity: 50kg/110lbs
- UL Listed



\$21.95 ea.



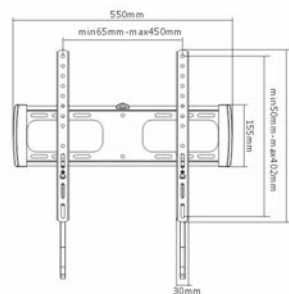
The CT-LED-026B super slim wall mount is designed to emphasize the sleek look of ultra-thin flat-panel TVs by placing them just 14.5mm from the wall. Its pull-down cords enable easy display attachment and detachment. It supports most 37"-70" flat-panel TVs up to 50kgs/110lbs. Its click stand holds TV away from wall for cable installation. VESA compatible up to 600x400.

CT-LED-755F

LED TV Bracket Mount For 32"-55" TVs

- Easy mounting design
- Built in bubble level
- Universal mounting patterns
- Overall mount dimensions 550x432mm/21.65"x17"
- VESA: 200x200,400x200,300x300,400x400
- Super Slim design sits just 13.0mm from wall to complement the sleek look of ultra-thin TVs
- Pull-down cords enable easy display attachment and detachment
- Material: Steel
- Color: Black
- Loading Capacity: 40kg/88lbs
- UL Listed

\$21.95 ea.



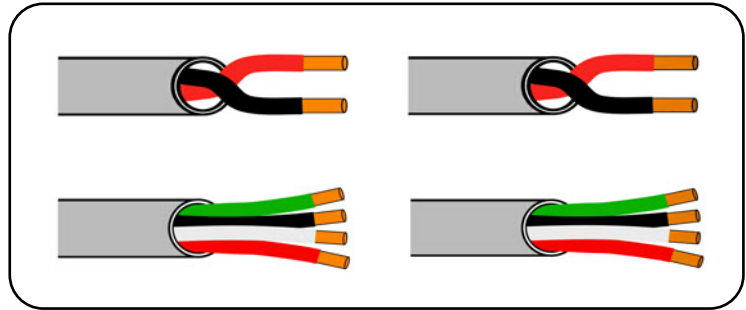
With an impressively low 0.51" (13mm) mounting profile, the CT-LED-755F is a super slim mount perfectly suited for those applications where seamless integration counts most. It supports most 32"-55" flat panel TVs up to 40kg/88lbs. The new series is part of the Ultra Low Profile Series of fixed mounts offering a sleek and slim design together with simple installation.



Multi-Conductor Power Limited Circuit Cables

Features:

- UL Listed
- Footage Marked
- CL3 Jacket
- Stranded & Solid Conductors Available
- 2 & 4 Conductor Versions Available
- All Copper Conductors
- Gray PVC Jacket
- Color Coded Conductors
- Competitively Priced
- Conveniently Packaged



Description:

The Cabletronix line of multi-conductor power limited circuit cables have been designed with the quality conscious custom home installer in mind. Both 16 and 14 gauge stranded versions are available with either 2 or 4 conductors. The 22 gauge version is also available with either 2 or 4 solid conductors. The UL Listed gray PVC jacket is CL3 rated and has convenient footage markings to allow for verifiable billing on every job. Inner conductors are easily identifiable using standard color coding. The Cabletronix multi-conductor cables are affordably priced while maintaining the strictest quality standards.

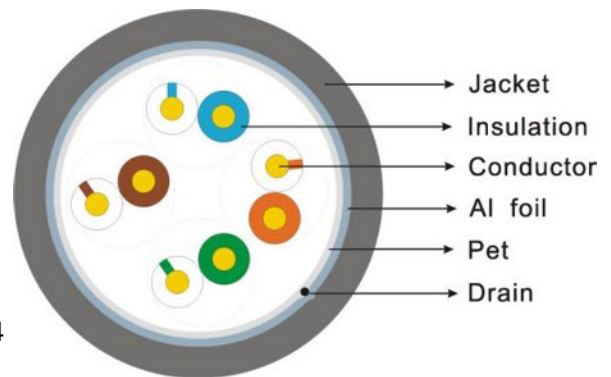
Part #	Description	Length	Internal Jacket Colors
CT-18/2/STR/1000/GY	18 AWG, 2 Conductor, Stranded	1,000' Spool	Red, Black
CT-18/4/STR/500/GY	18 AWG, 4 Conductor, Stranded	500' Spool	Red, Black, White, Green
CT-16/2/STR/1000/GY	16 AWG, 2 Conductor, Stranded	1,000' Spool	Red, Black
CT-16/4/STR/500/GY	16 AWG, 4 Conductor, Stranded	500' Spool	Red, Black, White, Green
CT-14/2/STR/500/GY	14 AWG, 2 Conductor, Stranded	500' Spool	Red, Black
CT-14/4/STR/500/GY	14 AWG, 4 Conductor, Stranded	500' Spool	Red, Black, White, Green
CT-22/2/SOL/500/GY	22 AWG, 2 Conductor, Solid	500' Spool	Red, Black
CT-22/4/SOL/500/GY	22 AWG, 4 Conductor, Solid	500' Spool	Red, Black, White, Green

CAT5E-WBLOCK-SHLD-BK

Category 5e Direct Burial Shielded Outdoor Cable

Features:

- 24 AWG Direct Burial Shielded Outdoor High Performance Cable
- Meets or exceeds TIA - 568-C.2
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4
- 1000 Mbps 1000BASE-T Gigabit Ethernet (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)
- Solid bare copper conductors
- Aluminum foil shield
- HDPE Insulation
- LDPE Jacket, UV rated, sunlight resistant, oil resistant

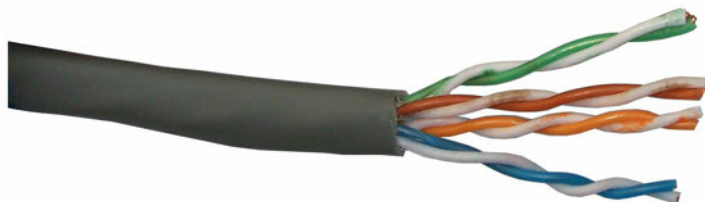


**Call For
Pricing**

Category 5e UTP Network Cable

Features:

- Four pair, 24 AWG Solid conductors
- Unshielded
- With rip cord
- Available in Blue, Gray, White, Yellow, Green, Pink or Black PVC Jackets
- Convenient, 1,000' easy pull box
- TIA/EIA 568-B.2, UL 444, and ISO/IEC 11801
- RoHS Compliant



Ordering Information:

DT-CAT5E-BX-BL Cat5e 1,000' Box, Blue Jacket
DT-CAT5E-BX-GY Cat5e 1,000' Box, Gray Jacket
DT-CAT5E-BX-WT Cat5e 1,000' Box, White Jacket
DT-CAT5E-BX-YL Cat5e 1,000' Box, Yellow Jacket

DT-CAT5E-BX-GN Cat5e 1,000' Box, Green Jacket
DT-CAT5E-BX-PINK Cat5e 1,000' Box, Pink Jacket
DT-CAT5E-BX-BK Cat5e 1,000' Box, Black Jacket

\$362.90 / 1,000'

CAT5E-SHLD-PL-BL

Category 5e 24 AWG, 4 Pair Twisted, Shielded Plenum Cable, Blue Jacket



\$174.90 / 1,000'

CAT5E-PL-BL

Category 5e 24 AWG, 4 Pair Twisted, Unshielded Plenum Cable, Blue Jacket



\$127.90 / 1,000'

DT-CAT5E-DBGEL-BLK

Category 5e 24 AWG, 4 Pair Twisted, Outdoor Direct Burial, Gel Filled Cable, Black Jacket



CAT5E-WBLOCK-BLK \$149.90 / 1,000'

Cat5e Direct Burial Cable

4 Pair, 24 awg, unshielded twisted pair (UTP),
350 MHz, inner foam wrap with rip cord,
outdoor direct burial black jacket



Features:

- 4 Pair twisted, 24 Awg Conductors
- Polyethylene tape
- Aluminum foil shielding, 100% coverage
- Tinned copper drain wire
- Blue PVC Jacket with rip cord
- UL Listed, CMR Rated
- Certified to 350 MHz, TIA/EIA-568B.2

DT-CAT5E-SHLD-BL \$121.90 / 1,000'

Shielded Cat5e Cable



DATA-TRONIX®

Features:

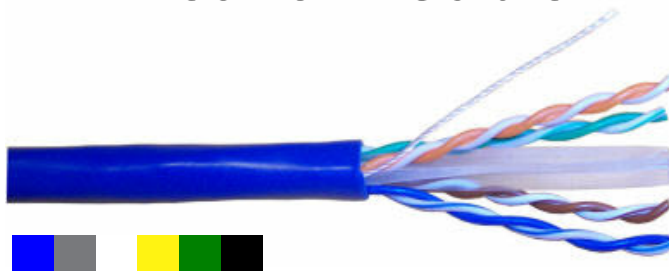
- Four pair, 23 AWG Solid conductors
- Rated to 500 MHz
- Unshielded, With rip cord
- Available in Blue, Gray, White, Yellow, Green or Black PVC Jackets
- Convenient, 1,000' easy pull box
- TIA/EIA 568-B.2, UL 444, and ISO/IEC 11801
- RoHS Compliant

Ordering Information:

DT-CAT6-BX-BL Cat6a 1,000' Box, Blue Jacket
DT-CAT6-BX-GY Cat6a 1,000' Box, Gray Jacket
DT-CAT6-BX-WT Cat6a 1,000' Box, White Jacket

DT-CAT6-BX-YL Cat6a 1,000' Box, Yellow Jacket
DT-CAT6-BX-GN Cat6a 1,000' Box, Green Jacket
DT-CAT6-BX-BK Cat6a 1,000' Box, Black Jacket

Category 6a UTP Network Cable



\$529.90 / 1,000'

CAT6-SHLD-PL-BL

Category 6 23 AWG, 4 Pair Twisted, Shielded Plenum Cable, Blue Jacket

\$289.90 / 1,000'

CAT6-PL-BL

Category 6 23 AWG, 4 Pair Twisted, Unshielded Plenum Cable, Blue Jacket

\$144.90 / 1,000'

DT-CAT6-SHLD-BL

Category 6 23 AWG, 4 Pair Twisted, Shielded, 550 MHz, Blue Jacket

\$154.90 / 1,000'

DT-CAT6-DBGEL-BLK

Category 6 23 AWG, 4 Pair Twisted, Direct Burial Gel Filled, 550 MHz, Black Jacket

CAT6-WBLOCK-BLK \$196.90 / 1,000'

Cat6 Direct Burial Cable

4 Pair, 23 awg, unshielded twisted pair (UTP), 550 MHz, inner foam wrap with rip cord, outdoor direct burial black jacket

CAT6A-10G-BL \$232.90 / 1,000'

Riser Rated Cat6A Network Cable, 10 Gig Rated

- 4 Pair UTP (Unshielded Twisted Pair)
- 23 AWG Solid Conductors
- 650 MHz Rated
- Outer Aerated PVC Jacket
- Internal Dividing Spline With T-Top Separators
- ETL Listed Type CMR



CAT6A-10GPL-BL \$629.90 / 1,000'

Plenum Rated Cat6A Network Cable, 10 Gig Rated

- 4 Pair UTP (Unshielded Twisted Pair)
- 23 AWG Solid Conductors
- 650 MHz Rated
- Plenum Rated Jacket
- Internal Dividing Spline With T-Top Separators
- ETL Listed Type CMR

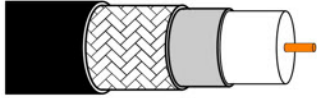


RG-6 Coaxial Cables



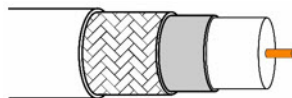
...competitive technologies
with compelling value

RG6UR-BK-*
RG-6, Black PVC Jacket
UL Listed, CCS Center
Conductor



\$59.90 / 1,000'

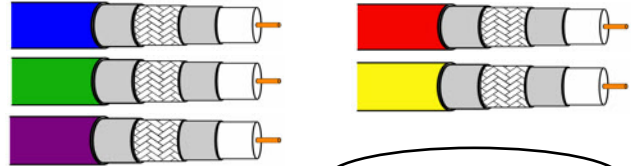
RG6UR-WHT-*
RG-6, White PVC Jacket
UL Listed, CCS Center
Conductor



\$59.90 / 1,000'

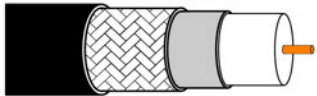
RG59UHE-*

**RG-59 Headend Cable,
2 Full Coverage Foils and 1 95% Braid**



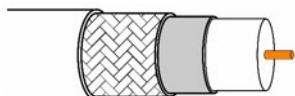
\$199.00 / 1,000'

PVCX1B
RG-6, Black PVC
Jacket, Solid Copper Center
Conductor, box or spool



\$81.00 / 1,000'

PVCX1W
RG-6, White PVC
Jacket, Solid Copper Center
Conductor, box or spool

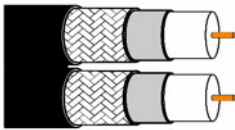


\$81.00 / 1,000'

Ordering Information:

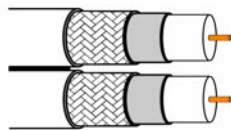
RG59UHE-BL Blue jacketed RG-59 headend cable
RG59UHE-GN Green jacketed RG-59 headend cable
RG59UHE-RD Red jacketed RG-59 headend cable
RG59UHE-YL Yellow jacketed RG-59 headend cable
RG59UHE-VI Violet jacketed RG-59 headend cable

PVCX2B
Dual RG-6, Black PVC Jacket,
UL Listed, 3 GHz,
Solid Copper Center



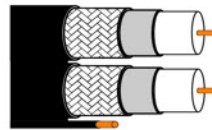
\$83.00 / 500'

PVCX2W
Dual RG-6, White PVC Jacket,
UL Listed, 3 GHz,
Solid Copper Center



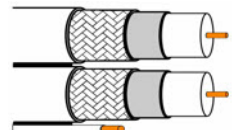
\$83.00 / 500'

PVCX3B
Dual RG-6 w/ Attached CCS
Wire, PVC Jacket, UL Listed,
3 GHz, Solid Copper Center



\$88.50 / 500'

PVCX3W
Dual RG-6 w/ Attached CCS
Wire, PVC Jacket, UL Listed,
3 GHz, Solid Copper Center



\$88.50 / 500'

RG6QU-RB-BLK
RG-6 Quad, Black Jacket
UL Listed, CCS Center



\$76.90 / 1,000'

RG6QU-RB-WT
RG-6 Quad, White Jacket
UL Listed, CCS Center



\$76.90 / 1,000'

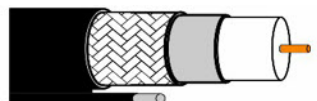
RG6QU-RB-BLK-BC
RG-6 Quad, White Jacket
UL Listed, Solid Copper Center



\$117.90 / 1,000'

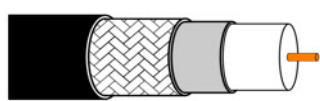
**Call For Details
On Any Specialty
Coaxial Cables
Not Shown Here**

RG6U-RL-MSNGR
RG-6, Black PVC Jacket,
With Messenger, CCS Center



\$91.90 / 1,000'

9066
Belden RG-6 Direct Burial,
Black Jacket, CCS Center



\$129.90 / 1,000'

**.500 Jacketed hardline cable,
flooded for direct burial**

T-10-500-JB-S

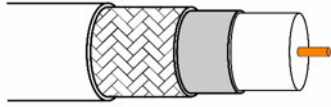
Short spools
(1,500' - 2,400')
when available

T-10-500-JB Full 2,400' spool



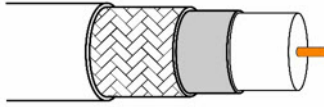
Plenum Coaxial Cables

RG6UP-RB-500
Plenum RG-6 Cable, 3 GHz,
CCS Center, 500' Reel-In-Box



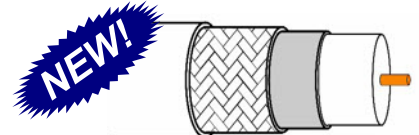
\$174.50 / 500'

RG6UP-RL-1000
Plenum RG-6 Cable, 3 GHz,
CCS Center, 1,000' Spool



\$339.90 / 1,000'

RG11UP-RL-*
Plenum Rated RG-11, 3 GHz
White Jacket, CCS Center



\$899.90 / 1,000'
Available in 500' or 1,000' Spools

CT-F11-1P
One Piece Hex Crimp Style F Male
Connector for RG-11



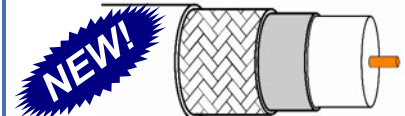
\$1.49 ea. 1-99
\$1.29 ea. 100+

RG6QPWH1
Plenum RG-6 Quad Shield, White
UL Listed, CCS Center



\$364.90 / 1,000'

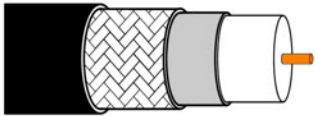
RG11UP-RL-*BC
Plenum Rated RG-11, 3 GHz
White Jacket, Solid Copper Center



\$1,299.00 / 1,000'
Available in 500' or 1,000' Spools

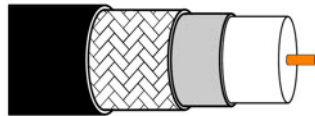
RG-11 Coaxial Cables

1525A
Belden RG-11 Direct Burial,
Black Jacket, CCS Center



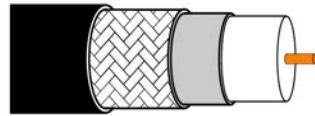
Call For Pricing

RG11U-RL-BC
RG-11, Black PVC Jacket, 3 GHz
UL Listed, Solid Copper Center



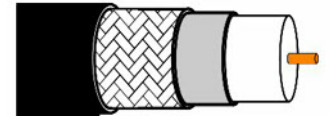
\$302.90 / 1,000'

RG11U-RL
RG-11, Black PVC Jacket, 3 GHz
UL Listed, CCS Center



\$149.00 / 1,000'

1524A
Belden RG-11 Messenger,
Black PVC Jacket, CCS Center



Call For Pricing

**Pre-Made Coax Jumpers With Compression DIRECTV Approved
F Connectors & Solid Copper, 3 GHz Rated RG-6 Coaxial Cable**



Length	Black Jacket	White Jacket	Price
12"	J12-DRE	J12-DRE-WT	\$1.80
18"	J18-DRE	J18-DRE-WT	\$1.90
24"	J24-DRE	J24-DRE-WT	\$1.99
36"	J36-DRE	J36-DRE-WT	\$2.20
48"	J48-DRE	J48-DRE-WT	\$2.40
60"	J60-DRE	J60-DRE-WT	\$2.60
72"	J72-DRE	J72-DRE-WT	\$2.80
84"	J84-DRE	J84-DRE-WT	\$3.00
96"	J96-DRE	J96-DRE-WT	\$3.20
120"	J120-DRE	J120-DRE-WT	\$3.60



FS-11
Belden Compression F Connector
for dual through quad shield RG-11

\$3.45 ea. 1-49
\$3.09 ea. 50-99
\$2.85 ea. 100+



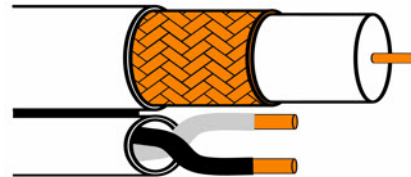
FS11PL
Belden Compression F Connector for
dual through quad shield Plenum RG-11

\$3.19 ea. 1-49
\$2.89 ea. 50-99
\$2.69 ea. 100+

CCTV CABLE-*.*

RG-59 Video Cable

With Attached 18-2 Cable



Cable Type: Series 59 Cable With 18 Gauge 2 Conductor Attached

The Securitytronix CCTV CABLE Series is perfect for camera installations that require an affordable RG-59 video cable with a solid copper center conductor and a copper clad braid. The attached copper clad 18 gauge, 2 conductor wire allows the user to conduct voltage necessary to power the camera without running a separate line.

This cable is sold on 1,000' and 500' spools and is available with black or white PVC jacket. Contact our sales engineers today for more information.

Ordering Information

CCTV CABLE-1000-BLK	Black Jacket, 1,000' spool
CCTV CABLE-1000-WHT	White Jacket, 1,000' spool
CCTV CABLE-500-BLK	Black Jacket, 500' spool
CCTV CABLE-500-WHT	White Jacket, 500' spool
CCTV CABLE-500RB-BLK	Black Jacket, 500' reel-in-box
CCTV CABLE-500RB-WH	White Jacket, 500' reel-in-box
CCTV CABLE-250-WHT	White Jacket, 250' reel-in-box

HD Over Coax (HDoC) Tested!

Call For Pricing



H59+182JOSPBK2

Siamese RG-59 with Attached 18 AWG, 2 Conductor Power Cable, For Direct Burial, Black Jacket 1,000' Reel

Call For Pricing

H59+182JOSPBK3-500

Siamese RG-59 with Attached 18 AWG, 2 Conductor Power Cable, For Direct Burial, Black Jacket 500' Reel-In-Box

Call For Pricing

Plenum Siamese RG-59 with Attached 18 AWG, 2 Conductor Power Cable, White Jacket,

H59+182PWH2 1,000' Reel
H59+182PWH3 500' Reel

Features:

- Black or White PVC Jacket
- RG-59 CCS Video Cable With Attached 18-2 Power Cable
- BNC Male Connectors On Both Ends Of The Coaxial Cable
- Power Connectors On Both Ends Of the 18-2 Power Cable
- Available in 25', 60', 100', 150' & 200' Lengths
- HD over Coax (HDoC) Tested

Ordering Information:

ST-PMJ25W	25', White jacket	\$6.95 ea.
ST-PMJ60W	60', White jacket	\$11.95 ea.
ST-PMJ100W	100', White jacket	\$18.95 ea.
ST-PMJ150W	150', White jacket	\$27.95 ea.
ST-PMJ200W	200', White jacket	\$35.95 ea.

ST-PMJ25B	25', Black jacket	\$6.95 ea.
ST-PMJ60B	60', Black jacket	\$11.95 ea.
ST-PMJ100B	100', Black jacket	\$18.95 ea.
ST-PMJ150B	150', Black jacket	\$27.95 ea.
ST-PMJ200B	200', Black jacket	\$35.95 ea.



HDTV Component Video Jumper Cable with RCA Male Ends, Ivory Jacket

254-503IV	3'	\$3.19 ea.
254-506IV	6'	\$4.99 ea.
254-512IV	12'	\$7.99 ea.
254-525IV	25'	\$15.99 ea.
254-550IV	50'	\$35.99 ea.
254-575IV	75'	\$51.99 ea.
254-500IV	100'	\$74.99 ea.

HDTV Component Video-Audio Jumper Cable with RCA Male Ends, Ivory Jacket

254-603IV	3'	\$4.59 ea.
254-606IV	6'	\$6.79 ea.
254-612IV	12'	\$9.99 ea.
254-625IV	25'	\$19.99 ea.
254-650IV	50'	\$52.99 ea.
254-675IV	75'	\$72.99 ea.
254-600IV	100'	\$94.99 ea.

**Toslink to Toslink Fiber Optic Audio Patch Cords**

260-003BL	3'	\$2.49 ea.
260-006BL	6'	\$2.79 ea.
260-012BL	12'	\$3.29 ea.



300-072
Red Scotchlock Style
Connector
\$7.99 / 100 100-400
\$6.99 / 100 500+



300-070 \$6.90 / 100
B-Wire Crimp Connector
Suitable for 19-26 AWG Wire

300-077
Gel Filled \$8.90 / 100



251-111 \$0.99 ea.
90 Degree RCA Adapter
RCA Male to RCA Female



940 \$0.69 ea.
6' Single RCA Patch Cable
RCA Male to RCA Male



941 \$1.39 ea.
12' Single RCA Patch Cable
RCA Male to RCA Male



902A
RCA Double
Female Splice
\$0.69 ea. 1-49
\$0.49 ea. 50-99
\$0.39 ea. 100+



255-255 \$0.79 ea.
2' 3.5mm Stereo Male to Male
Patch Cable



255-038 \$0.89 ea.
6' Y Adapter
2 RCA Female to 3.5mm Stereo Male



255-045 6'
\$0.99 ea.
255-047 12'
\$1.79 ea.
6' Y Adapter
2 RCA Male to 3.5mm Stereo Male



200-108 (FTOBNC)
F Male To BNC Female
\$0.99 ea.



CT-BNCTORCA
(200-170)
RCA Male To
BNC Female Adapter
\$0.69 ea. 1-499
\$0.59 ea. 500+



FF-R
"F" Female To
RCA Male Adapter
\$0.59 ea. 1-49
\$0.54 ea. 50-99
\$0.49 ea. 100+



BFA
"F" Female To
BNC Male Adapter
\$1.59 ea. 1-9
\$0.99 ea. 10-24
\$0.79 ea. 25-99
\$0.59 ea. 100+



RCA-F
RCA Female To
F Male Adapter
\$0.79 ea. 1-49
\$0.74 ea. 50-99
\$0.65 ea. 100+



PF-59
Push On F Male Adapter
\$0.69 ea. 1-99
\$0.59 ea. 100+

Thomas & Betts Snap-N-Seal F Connectors

1 Piece Connectors

SNS1P59	RG-59, orange band	\$0.55 ea. 50-450
SNS1P59QS	RG-59 Quad shield, green band	\$0.52 ea. 500-1,950
SNS1P6	RG-6, blue band	\$0.49 ea. 2,000-4,950
SNS1P6QS	RG-6 Quad shield, purple band	\$0.47 ea. 5,000+
SNS1P59HEC	RG-59 Headend Cable, white band	



\$0.79 ea.

SNS6PLA

RG-6 Plenum Snap-N-Seal
F Connector, orange band



SNSD6

RG-6 Compression
F connector designed
specifically for the satellite
market. 0 - 3 GHz Rated



PV6UE-05

RG-6 Compression
F connector designed
specifically for the satellite
market. 0 - 3 GHz Rated



F-813GZ 3 GHz Rated F Female to F Female Barrel Connector



\$19.90 / 100 100-400
\$17.90 / 100 500-900
\$16.90 / 100 1,000+



CTL-102U

\$16.99 ea.
Compression
Crimping Tool



SW-8F \$14.95

F-Type Insertion
Extraction Tool



PF-71HR \$1.95 ea.

Male Coax Splice,
F-Male Threaded to
F-Male Push-On,
High Return Loss, 3 GHz

F-71 F Male to F Male Adapter



\$0.49 ea. 1-99
\$0.44 ea. 100+

PPFAM-* 3 GHz F Attenuator Pad



Available in
3, 6, 8, 10, 12,
16 or 20 dB
Values

\$1.99 ea.

FAM-* 1 GHz F Attenuator Pad



Available in
3, 6, 8, 10, 12,
16 or 20 dB
Values

\$0.99 ea. 1-99
\$0.89 ea. 100+

VBC-HR Voltage Blocking Coupler, High Return Loss



\$1.39 ea.

AF-59TPB 75 Ohm AC/DC Blocking F Terminator, 5-2,300 MHz



\$0.59 ea. 1-9
\$0.49 ea. 50 100+

CT-FTERM-3GHZ (F-TM3GZ) 75 Ohm F Terminator, 3 GHz



\$14.90 / 100 100-400
\$13.90 / 100 500+

VBT-100 75 Ohm F Terminator 3 GHz



\$1.39 ea.

F-90 Right Angle F Adapter



\$0.79 ea. 1-49
\$0.59 ea. 50+



- The ProSNS™ connector family includes F, RCA and BNC universal connectors for series 6 and 59 coaxial cables as well as F and BNC connectors for series 11 coaxial cables
- RGB/mini, plenum, and right angle connectors are also available in traditional configurations
- All ProSNS™ connectors utilize TRUE 360° compression onto the cable providing superior RF shielding performance, -85 dB effective shielding (typical on 60% bonded foil cable)
- The patented floating-pin insertion guide assists with the insertion of the cable into the connector and reduces the insertion force required to provide consistency and easy termination of the connector
- An additional O-ring placed at the base of the connector with a NiTin finish and UV resistant plastic provides a reliable, environmentally sealed product on the cable



- ProSNS™ RG-11 connectors are designed utilizing an air dielectric for better performance and excellent return loss
- Low insertion force is required to compress the connector onto the cable
- The improved design offers the flexibility to be installed with nearly all available compression tools
- Installation requires the industry standard 1/4"-1/4" cable preparation

The ProSNS™ connector family includes F, RCA and BNC universal (fits standard through quad-shield cable) connectors for series 6 and 59 coaxial cables. RGB/mini, plenum and right angle configurations are available in traditional F-Conn® or Snap-N-Seal® configurations.

Part #	Description	Color Band	Recommended Tool
FSNS59U	Universal F Connector for RG-59 standard through quad-shield cable	Red	CPLCCT-SLM
FSNS59BNCU	Universal BNC Connector for RG-59 standard through quad-shield cable	Red	CPLCCT-SLM
FSNS59RCU	Universal RCA Connector for RG-59 standard through quad-shield cable	Red	CPLCCT-SLM
FSNS6U	Universal F Connector for RG-6 standard through quad-shield cable	Green	CPLCCT-SLM
FSNS6BNCU	Universal BNC Connector for RG-6 standard through quad-shield cable	Green	CPLCCT-SLM
FSNS6RCU	Universal RCA Connector for RG-6 standard through quad-shield cable	Green	CPLCCT-SLM
716SNS1P11H	Universal F Connector for RG-11 standard through quad-shield cable, 7/16" Nut	Black	CPLCCT-LS59/11
716SNS1P11HPLA	F Connector for RG-11 Plenum cable, 7/16" Nut	Gray	CPLCCT-LS59/11
716SNS1P11HQ	F Connector for RG-11 quad-shield cable, 7/16" Nut	Purple	CPLCCT-LS59/11
SNS1P11H-9/16	Universal F Connector for RG-11 standard through quad-shield cable, 9/16" Nut	Black	CPLCCT-LS59/11
90SNS1P11H	Right angle F Connector for RG-11 standard through quad-shield cable	Black	CPLCCT-LS59/11
FSNS11HBNC	Universal BNC Connector for RG-11 standard through quad-shield cable	Black	SNSUNI
FSNS11HBNCPLA	BNC Connector for RG-11 Plenum cable	Gray	SNSUNI
FSNS11QHBNC	BNC Connector for RG-11 quad-shield cable	Purple	SNSUNI

- CPLCCT-SLM Universal multi-media compression tool, steel
- SNSUNI Universal compression crimping tool
- PS 59/6/RGB Stripping tool for RG-59/6/RGB
- PSC 59/6/RGB Replacement blades for PS 59/6/RGB
- PS 59/6 Adjustable stripping tool for RG-59/6
- PSC 59/6 Replacement blades for PS 59/6
- PS-11 Stripping tool for RG-11
- PSC11 Replacement blades for PS-11



Compression RCA & BNC Connectors For RG-59 & RG-6



HD Over Coax (HDoC) Tested!



CT-BNC6C

Compression BNC Male Connector For RG-6, Two Piece

\$0.99 ea. 1-499
\$0.95 ea. 500-1,999
\$0.89 ea. 2,000+



CT-BNC59C

Compression BNC Male Connector For RG-59, Two Piece

\$0.99 ea. 1-499
\$0.95 ea. 500-1,999
\$0.89 ea. 2,000+



CT-BNC59C-1P

Compression BNC Male Connector For RG-59, One Piece

\$0.99 ea. 1-499
\$0.95 ea. 500-1,999
\$0.89 ea. 2,000+



CT-RCA59CSP

Compression RCA Male Connector For RG-59, Two Piece

\$0.89 ea. 1-499
\$0.79 ea. 500-1,999
\$0.75 ea. 2,000+



CT-RCA6CSP

Compression RCA Male Connector For RG-6, Two Piece

\$0.89 ea. 1-499
\$0.79 ea. 500-1,999
\$0.75 ea. 2,000+

The Securitytronix RG-59/6 BNC and RCA compression connectors have been designed with the custom installer in mind. Throughout the years, we have seen countless service calls that resulted in the simple replacement of a twist-on or hex crimp connector that had lost it's connectivity. These service calls are costly and they do not promote forward progress in any business, especially if the job is under a service contract.

The CT-BNC59C, CT-BNC59C-1P, CT-BNC6C, CT-RCA59CSP and CT-RCA6CSP provide the advantages of waterproofing, cable signal ingress/egress elimination, and connection reliability over other connector products. Compression style connectors are the wave of the future providing a true 360° seal between the connector and cable. Aside from eliminating the opportunity for moisture to leak into the connection this seal keeps your signal inside the cable and keeps unwanted signals from entering your system through openings in the connection.

The CT-BNC59C, CT-BNC59C-1P, CT-BNC6C, CT-RCA59CSP and CT-RCA6CSP have been designed to be aggressively priced to offer value to installers in the security, cable TV, satellite TV and home entertainment markets. Aside from it's aggressive pricing, we feel that the real savings is found in the quality. If we can save you just one service call, these connectors will have paid for themselves exponentially.

Although these connectors were designed around the specifications of the Securitytronix line of RG-59 and RG-6 cables, they will work with most major market brands of quality RG-59 cables. Please contact us for more information or samples so you can see for yourself.

CT-BNC59C-PIN
CT-RCA59CSP-PIN
CT-RCA6CSP-PIN

Replacement pin for CT-BNC59C
Replacement pin for CT-RCA59CSP
Replacement pin for CT-RCA6CSP



CT-BNC-DF (200-160)
BNC Double Female
MIL#UG-914/U
\$0.69 ea. 1-99
\$0.59 ea. 100+



CT-CCT-BFR2
\$59.90 ea.



RCATOBNC
RCA Female To
BNC Male Adapter
\$1.29 ea. 1-49
\$0.99 ea. 50+



BNC Right Angle
MIL#UG-306/U
200-158 \$1.99 ea.

DATA-TRONIX®

24 & 48 Port Cat6 Patch Panels



24 Port \$39.99 ea.

48 Port \$57.99 ea.

Description:

The DT-CATPP624 and DT-CATPP648 are respectively 24-port and 48-port Category 6 patch panels designed for Gigabit Ethernet network applications. These panels support T568A and T568B wiring configurations, are FCC subpart 68 compliant and provide complete 256MHz bandwidth. The DT-CATPP series of patch panels are also reverse compatible to meet Category 5 and Category 5e specifications.



DT-CATPP624 Package Contents:

- One DT-CATPP624 patch panel
- Four rack screws
- One package of connection covers & 2" cable ties
- One strain relief bar

DT-CATPP648 Package Contents:

- One DT-CATPP648 patch panel
- Eight rack screws
- Two packages of connection covers & 2" cable ties
- Two strain relief bars

Ordering Information:

DT-CATPP624	24 Port Cat6 Patch Panel
DT-CATPP648	48 Port Cat6 Patch Panel



13107C

PRO Punchdown Tool with 66 & 110 Blade

- Spring loaded for fast, low effort wire seating and termination.
- Bayonet style (twist & lock) blade retention socket is compatible with industry standard tools and blades.
- Color coded yellow on the cut side of the tool per industry standard.
- Adjustable low and high force impact settings are precisely controlled to meet the industry standard 8762D spec.
- Will not damage sensitive circuitry.
- Spare blade storage compartment in the handle.



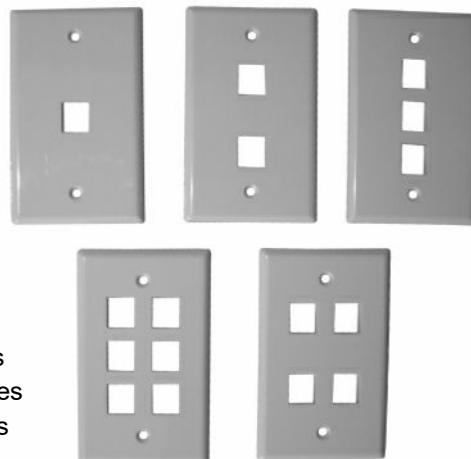
...competitive technologies
with compelling value

Modular Wall Plate Systems

All Cavity Sizes Are Priced The Same

\$0.59 ea. 1-9
\$0.49 ea. 10-99
\$0.39 ea. 100+

Mix & match to
meet quantity pricing



CT-KEY-WP1WH	One Snap In Cavity
CT-KEY-WP2WH	Two Snap In Cavities
CT-KEY-WP3WH	Three Snap In Cavities
CT-KEY-WP4WH	Four Snap In Cavities
CT-KEY-WP6WH	Six Snap In Cavities



CT-KEY-CAT3

Category 3 Keystone Insert,
Voice Grade, White

\$0.99 ea. 1-10
\$0.89 ea. 10-99
\$0.79 ea. 100+



CT-KEY-CAT5E

Category 5e Keystone Insert,
Data Grade, Blue

\$1.39 ea. 1-10
\$1.29 ea. 10-99
\$1.09 ea. 100+



CT-KEY-CAT6

Category 6 Keystone Insert,
Data Grade, Yellow

\$1.99 ea. 1-10
\$1.89 ea. 10-99
\$1.59 ea. 100+



CT-KEY-FINS-HF
F Female Insert, 3GHz, White

\$0.59 ea. 1-9
\$0.49 ea. 10-99
\$0.39 ea. 100+



CT-KEY-BLANK
Blank Insert, White

\$0.25 ea. 1-9
\$0.20 ea. 10-99
\$0.15 ea. 100+



CT-KEY-HD
HD Insert, White
\$3.99 ea.



CT-KEY-3.5MM
3.5mm Stereo Audio Insert, White
\$2.09 ea.



CT-C5MP

Cat5e Modular Plug
8 Pin, 8 Position

\$11.90 / 100
\$9.90 / 100 500-900
\$7.90 / 100 1,000+

CT-C6MP

Cat6 Modular Plug
8 Pin, 8 Position

\$16.90 / 100
\$14.90 / 100 500-900
\$11.90 / 100 1,000+



Cat5e Patch Cables

DATA-TRONIX®

Features:

- Non-booted, flexible data cables connect hub to patch-panel or wall-outlet to workstation
- Suitable for high-speed data applications, including gigabit ethernet, fast ethernet and 155Mbps TP-PMD/CDDI
- 4-Pair 24 AWG-stranded copper UTP cable
- 100% Tested wiring sequence and continuity
- Flame retardant - type CM
- Exceeds EIA/TIA 568B
- UL Listed



**Individually Packaged
For Retail Display**

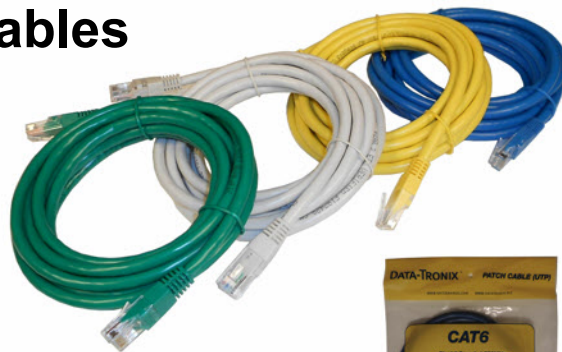
		1-99	100+
DT-C5PC-1*	1' Cat5e UTP patch cord	\$0.69	\$0.59
DT-C5PC-1.5*	1.5' Cat5e UTP patch cord	\$0.75	\$0.65
DT-C5PC-2*	2' Cat5e UTP patch cord	\$0.79	\$0.69
DT-C5PC-3*	3' Cat-5e UTP patch cord	\$0.89	\$0.79
DT-C5PC-5*	5' Cat-5e UTP patch cord	\$1.09	\$0.95
DT-C5PC-7*	7' Cat-5e UTP patch cord	\$1.39	\$1.19
DT-C5PC-10*	10' Cat-5e UTP patch cord	\$1.69	\$1.39
DT-C5PC-15*	15' Cat-5e UTP patch cord	\$2.29	\$1.89
DT-C5PC-25*	25' Cat-5e UTP patch cord	\$3.79	\$3.19

***Available in Blue, Yellow, Gray, Green,
Black or White.
Please specify color when ordering.**

Fast Media CAT6 Patch Cables

Features:

- Ultra-High-Performance Data Communications Cable
- Suitable for 550 MHz High-Speed Transmission
- Critical Network Applications, Gigabit Ethernet, Fast Ethernet, Broadband Audio and Video, 155Mbps ATM, 100Mbps TP-PMD/CDDI, NEXT, ELFEXT and RL Bandwidth Compliant
- 100% Tested Wiring Sequence & Continuity
- Terminated to 8-Contact RJ45 Modular Plugs
- Flame Retardant – Type CM
- Exceeds Category-6 ANSI/TIA/EIA 568B.2-1 and ISO/IEC 11801 standards and all proposed Category-6 requirements for high-speed, full duplex, parallel transmission protocols
- UL Listed



**Individually Packaged
For Retail Display**

***Available in Blue, Yellow, Gray, Green, Black or White.
Please specify color when ordering.**

		1-99	100+			1-99	100+
DT-C6PC-1*	1' Cat6 UTP Patch Cord	\$0.89	\$0.74	DT-C6PC-7*	7' Cat6 UTP Patch Cord	\$1.89	\$1.49
DT-C6PC-1.5*	1.5' Cat6 UTP Patch Cord	\$0.99	\$0.79	DT-C6PC-10*	10' Cat6 UTP Patch Cord	\$2.49	\$1.99
DT-C6PC-2*	2' Cat6 UTP Patch Cord	\$1.09	\$0.85	DT-C6PC-15*	15' Cat6 UTP Patch Cord	\$2.99	\$2.59
DT-C6PC-3*	3' Cat6 UTP Patch Cord	\$1.19	\$1.05	DT-C6PC-25*	25' Cat6 UTP Patch Cord	\$4.39	\$3.79
DT-C6PC-5*	5' Cat6 UTP Patch Cord	\$1.49	\$1.19	DT-C6PC-50*	50' Cat6 UTP Patch Cord	\$7.49	\$6.79

DATA-TRONIX®

10/100 Fast Ethernet Desktop Switches

Features:

- Complies with IEEE 802.3, IEEE 802.3u standards
- Eight or Sixteen 10/100Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
- Supports IEEE 802.3x flow control for Full Duplex mode and backpressure for half-duplex mode
- Supports MAC address auto-learning and auto-aging
- LED indicators for monitoring power, link & activity
- Plastic desktop housing
- External power supply

Specifications:

Network protocol	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX
Ports	8 or 16 10/100Mbps Auto-Negotiation ports
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m), EIA/TIA-568 100Ω STP (maximum 100m), 100Base-Tx: UTP category 5, 5e cable (maximum 100m), EIA/TIA-568 100Ω STP (maximum 100m)
Switching capacity	1.6G (8 Port), 3.2G (16 Port)
LED Indicators	100Mbps Link/Act
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, auto update
Frame Filtering/Forward	10Mbps: 14880pps, 100Mbps: 148800pps
Operating Temperature	32°F - 104°F
Storage Temperature	-40°F - 158°F
Operating Humidity	10% - 90% non-condensing
Storage humidity	5% - 90% non-condensing



DT-08PT100M
\$17.75 ea.
8 Port 10/100
Fast Ethernet Switch



DT-16PT100M
\$28.25 ea.
16 Port 10/100
Fast Ethernet Switch

Features:

- Complies with IEEE 802.3, IEEE 802.3u standards
- Sixteen or Twenty Four 10/100Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
- Supports IEEE 802.3x flow control for Full Duplex mode and backpressure for half-duplex mode
- Supports MAC address auto-learning and auto-aging
- LED indicators for monitoring power, link & activity
- 19" Rack mountable steel housing
- Internal power supply

Specifications:

Network protocol	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX
Ports	16 or 24 10/100Mbps Auto-Negotiation ports
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m), EIA/TIA-568 100Ω STP (maximum 100m), 100Base-Tx: UTP category 5, 5e cable (maximum 100m), EIA/TIA-568 100Ω STP (maximum 100m)
Switching capacity	3.2G (16 Port),
LED Indicators	Each port Link/Act, 100Mbps, other power
Frame Filtering/Forward	10Mbps: 14880pps, 100Mbps: 148800pps
Operating Temperature	32°F - 104°F
Storage Temperature	-40°F - 158°F
Operating Humidity	10% - 90% non-condensing
Storage humidity	5% - 90% non-condensing

10/100 Fast Ethernet Rack Mountable Switches



DT-16PT100M-RM \$38.75 ea.
16 Port 10/100 Fast Ethernet Switch



DT-24PT100M-RM \$46.50 ea.
24 Port 10/100 Fast Ethernet Switch

10/100 Fast Ethernet Routers

Features:

Standard:	IEEE802.3, IEEE802.3u, PPPoE
Protocol :	CSMA/CD, TCP/IP, RIP1, RIP2, PPTP(VPN), PPPoE, SNMP Trap
Ports:	4pcs 10M/100M(LAN) RJ45 ports, 1 10M/100M (WAN) RJ45 port
LAN network speed:	10Mbps (10Base ethernet) or 100Mbps (100Base Tx speed Ethernet)
Cable type:	UTP CAT5e / STP CAT5e
Structure:	Star type
WAN network speed:	100M (max.)
LED lighting:	Power, test, port link or activation

- Provides simulated dialing (PPPOE) and exclusive service function
- Automatic connect and disconnect ADSL (PPPOE)
- Supports static and dynamic routes RIP1, RIP2 & RIP1 compatible
- Equipped with DHCP server function
- Automatic distribution of IP address to LAN working station
- Filtrates LAN data package by ports, IP address, MAC address
- Provides flux-monitoring, checking websites visited, restricting website access
- Simple setup, interface and ease of installation
- Supports internet protocols (Telnet, HTTP, FTP, SMTP, POP3 etc.)
- Supports softwares (Navigator, Internet Explorer, Mosaic, Gopher, Eudora, FTP etc.) and internet connecting
- Supports long range storage from virtual LAN server by virtual server mapping

DT-05PTR100M \$22.95 ea.
5 Port 10/100
Fast Ethernet Router



Features:

- Wireless N speed up to 300Mbps
- One touch wireless connection using the WPS button
- 2T2R MIMO™ delivers greater throughput at range versus conventional 1T1R
- Features parental control function managing the internet access of children or employee's computers
- Supports virtual server, special application and DMZ host ideal for creating a website within your LAN
- Easily setup a WPA encrypted secure connection at the push of the QSS button
- WDS wireless bridge provides seamless bridging to expand your wireless network
- Offers Auto-mail function for system log, convenient for managing the router
- Backward compatible with 802.11b/g products
- Easy Setup Assistant provides quick & hassle free installation
- External detachable antennas allow for better alignment and stronger antenna upgrades
- Sleek exterior, can be mounted on a wall or placed horizontally on a table or desk

DT-05PTWR300MB \$39.95 ea.

5 Port 10/100 Fast Ethernet Wireless 300Mbps Router



HARDWARE FEATURES

Interface	Four 10/100Mbps LAN PORTS One 10/100Mbps WAN PORT
Button	Quick Setup Security Button, Reset Button
External Power Supply	9VDC / 1A
Wireless Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Antenna	Two 3dBi Non-Detachable Antenna
Reset	Resets unit to factory defaults
WPS	Enables Wi-Fi Protected Setup (WPS) function

WIRELESS FEATURES

Frequency	2.4-2.4835GHz
Signal Rate	11n: Up to 300Mbps(dynamic) 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic)
EIRP	<20dBm(EIRP)
Receive Sensitivity	270M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER
Wireless Functions	Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
Wireless Security	64/128/152-bit WEP / WPA / WPA2, WPA-PSK / WPA2-PSK

SOFTWARE FEATURES

WAN Type	Dynamic IP/Static IP/PPPoE/ PPTP(Dual Access)/L2TP(Dual Access)/BigPond Server, Client, DHCP Client List, Address Reservation
DHCP	WMM, Bandwidth Control
Quality of Service	Virtual Server, Port Triggering, UPnP, DMZ
Port Forwarding	PPTP, L2TP, IPSec (ESP Head)
VPN Pass-Through	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Access Control	DoS, SPI Firewall
Firewall Security	IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Management	Access Control Local Management Remote Management

* Specified maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data rates and coverage will vary depending on connection and environmental conditions.



MX-200 - Advanced Industrial M2M Router

Perfect as the primary connection or backup connection when wired connections fail are unavailable or non-existent.

BEC MXConnect M2M Advanced Industrial 4G/LTE Router

The BEC MX-200 Advanced Industrial 4G/LTE Router is a high performance fixed wireless platform enabling real-time 4G Cellular data connectivity for your existing serial devices and Ethernet network. The MX-200 provides a reliable and cost-effective alternative solution for business continuity. The platform can serve as the primary connection or backup connection when wired connections fail are unavailable or non-existent.

Features:

- Offers 4G/LTE and/or Ethernet IP broadband connectivity. (3G Fallback is optional)
- Automatic failover for network resilience and reliable connectivity
- Advanced SX Antenna Technology for increased coverage, signal reception and efficiency
- Optional GPS for real-time tracking and location data-based application
- Advanced VPN & Tunneling Protocols for secure data
- Enterprise level routing functionality
- Local and Remote management via SNMP or BEC LCMS (LTE Central Management System) (cloud based)
- BEC SiteSmart Mobile Application for easy access/status in the palm of your hand
- Industry Certifications: FCC, CE, PTCRB, MIL-STD-810G, ICES-003, RCM and Wi-Fi CERTIFIED™
- Major Carrier Network Certified



6300VNL - Enterprise LTE Router

BEC Enterprise LTE Routers, inherited BEC's popular advanced routing engine platform – BiNOS operating system, are designed for the latest generation LTE fixed wireless networks supporting high peak data rates of 100Mbps downlink/50 Mbps uplink and lower latency. Incorporating the SX-7 Technology, BEC Enterprise LTE routers deliver up to a 40% increase in signal reception and efficiency, providing dramatically superior range and optimized network capacity. In addition to SX-7, the routers integrate 4-port gigabit, 10/100/1000Mbps, switch, (2) FXS port for VoIP (SIP), 802.11n WLAN, complete residential gateway functionality, SPI firewall, QoS and remote management options such as TR-069.

Features:

- Global LTE Band support and 3G/2G Fallback
- Automatic Failover ensuring High Availability and Network Resilience
- Multi APN Service Selection and Service Management
- Advanced Quality of Service (QoS) Framework
- Integrated VoIP and Advanced Telephony Features
- Carrier-Grade Wireless LAN with mSSID, hotspot functionality
- Enterprise Dynamic Routing, SPI Firewall, Secured VPNs, QoS, VLAN and IPv6 support
- Redundant Power Terminal for optional Battery Backup
- Supported by BEC's Cloud-Based device management platform to extend network Visibility and control of devices remotely
- Certified Carrier Network: Verizon, AT&T and T-mobile
- Industry Certifications: Wi-Fi Alliance and Metaswitch Mosaic Partner



The **Alcatel-Lucent OmniSwitch™ 6450 (OS6450) Stackable LAN Switch** is a layer-2+ Gigabit Ethernet LAN switch addressing the small and medium-sized business needs for converged voice, data and video networks as well as residential and business Ethernet access service provider requirements.

The OmniSwitch 6450 is optimized for flexibility, scalability and low power consumption, and utilizes the Alcatel-Lucent Operating System (AOS) to provide an outstanding edge solution for a highly available, self-protective, easily managed, and eco-friendly networks. The OmniSwitch 6450 family has several models with a choice of port/features option combinations to fulfill the majority of fixed configuration switch requirement.



**Pre-Configured
For DRE use**

OS6450-U24-US

Alcatel-Lucent MDF Switch, 19" Rack mountable. Used in the MDF closet to provide communication to each IDF switch for the Management Control System server. 22 100/1000 Base-X SFP ports, Each output port requires an SFP adapter for ethernet, single-mode fiber or multi-mode fiber. Adapters are needed at both the MDF & IDF ends.

OS6450-24-US

24 Port all copper version of the OS6450-U24-US MDF Switch, No SFP adapters required

OS6450-48-US

48 Port all copper version of the OS6450-U24-US MDF Switch, No SFP adapters required

**Pre-Configured
For DRE use**



OS6350-24

Alcatel-Lucent IDF Switch, 24 1 Gb/s RJ-45 outputs and four 1 Gb/s SFP uplink / stacking ports. Used in each IDF closet to provide communication from the MDF switch for the Management Control System server. Uplink / stacking ports require an SFP adapter for ethernet, single-mode fiber or multi-mode fiber. Adapters are needed at both the MDF & IDF ends. Stand alone or rack mountable housing, rack ears included.

OS6450-10L-US

10 Port all copper IDF switch with 2 SFP uplink ports

OS6450-10-US

10 Port all copper combo IDF/MDF switch with 2 SFP uplink ports

DT-SFP-GIG-T

RJ-45 Ethernet transceiver module for MDF/IDF switch communication. Works with Cat5, Cat5e or Cat6, 100 meters maximum distance.



DT-SFP-GIG-S-DX-LC-A

Single-Mode fiber optic transceiver module for MDF/IDF switch communication. 1310nm, 9/125um, LC Connections.



DT-SFP-GIG-SM-DX-LC
Cisco switch protocol

DT-SFP-GIG-M-DX-LC-A

Multi-Mode fiber optic transceiver module for MDF/IDF switch communication. 62.5/125um, 50/125um, LC Connections.



DT-SFP-GIG-MM-DX-LC
Cisco switch protocol

DT-SFP10G-SR-C

10 Gigabit Multi-Mode fiber optic transceiver module for MDF/IDF switch communication. 62.5/125um, 50/125um, LC Connections.



RV042

Cisco Virtual Private Network (VPN) Four Port Router



Also Available:
The Securitytronix managed & unmanaged PoE switches.

See our CCTV Section.

Wireless Access Points

Enterprise solution with consumer grade simplicity and low total cost of ownership

OmniAccess® Stellar AP1201H Hospitality AP

- Dual radio, 802.11ac 2.4/ 5GHz radio 2x2:2
- Limited RF coverage (single room)
- Uplink - 1x GE with POE 802.3af/at
- Downlink - 3x GE interfaces with 1x POE 802.3af (10w max)
- 1x RJ45 Pass-Through (Analog Phone)
- BLE Radio via USB (secured port)
- Built in antennas
- Built in wall box mount (single gang)
- LED Options (Can be disabled)
- Local DC power option - Supporting RAP
- Separate desk mount



OmniAccess® Stellar AP1101 Indoor wireless access point



Multifunctional Alcatel-Lucent OmniAccess® Stellar AP1101 is an entry level access point (AP) for medium density and small business deployments. The OmniAccess AP1101 Indoor Wi-Fi access point provides a high throughput and seamless user experience. It is ideal for enterprises of all sizes demanding a simple, secure and scalable wireless solution. The OmniAccess AP1101 features enhanced WLAN technology with RF Radio Dynamic Adjustment, a distributed control Wi-Fi architecture, and secure network admission control with unified access.

OmniAccess® Stellar AP1220 Series Indoor high performance 802.11ac Wave 2 wireless access points

Multifunctional Alcatel-Lucent OmniAccess® Stellar AP1220 series access points are mid-end 802.11ac Wave 2 APs for medium density and large business deployments. The OmniAccess Stellar AP1220 series indoor Wi-Fi access point provides high throughput and a seamless user experience.



OmniAccess® Stellar AP1251



Outdoor 802.11ac Wave 2 wireless access point

The multifunctional Alcatel-Lucent OmniAccess® Stellar AP1251 is a high performance 802.11ac Wave 2 access point used in outdoor settings for enterprise deployments of all sizes. The OmniAccess Stellar AP1251 outdoor Wi-Fi access point provides high throughput and seamless user experience.

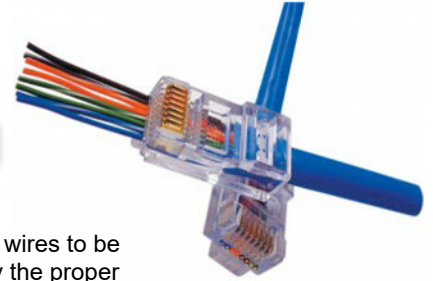
OmniAccess® Stellar AP1230 Series Indoor ultra high performance 802.11ac Wave 2 wireless access points

Multifunctional Alcatel-Lucent OmniAccess® Stellar AP1230 series access points are high end, high density, multi-gig Ethernet 802.11ac Wave 2 APs for high density and key IT applications for high density and large business deployments. The OmniAccess Stellar AP1230 series indoor Wi-Fi access point provides high throughput and a seamless user experience.





RJ-45 Connectors & Tools



The new patented EZ-RJ45 Connector simplifies twisted pair terminations by allowing the wires to be inserted through the connector and out the front. This allows the technician to easily verify the proper wiring order. Electrical performance of the termination is optimized by pulling the connector down over the cable jacket and seating it tightly in the rear of the connector. By reducing the distance between the wire twists and contacts, performance is optimized! Crimp with the patented EZ-RJ45 Crimp Tool... crimps and trims in one cycle.

EZ-RJ45® CAT 5/5e Connectors

100003C	50 Pack	\$29.50
202003J	Jar of 100	\$54.90
105003	500 Pack	\$270.00

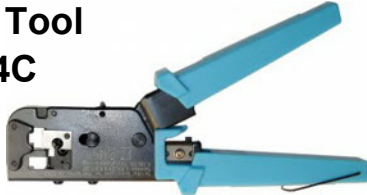
EZ-RJ45® Cat 6+ Connectors

100010C	50 Pack	\$31.75
202010J	Jar of 100	\$62.15
105004	500 Pack	\$300.00

EZ-RJ45® Crimp Tool

Model: 100004C

\$55.95 ea.



EZ-RJPRO®

HD Crimp Tool

Model: 100054C \$76.49 ea.

WP-812GWH
White



WP-812GIV
Ivory

Coax Wall Plate With
F-81 Rated To 3 GHz
\$0.55 ea.

WPD-812GWH
White



WPD-812GIV
Ivory

Dual Coax Wall Plate With
F-81 Rated To 3 GHz
\$0.69 ea.

Cable Distribution Rings

310-390 \$1.75 ea.
1-7/8" Cable Distribution Ring

310-392 \$1.95 ea.
3-1/8" Cable Distribution Ring

310-394 \$2.25 ea.
5-1/8" Cable Distribution Ring



FC-1B Black
FC-1W White



RG-6 Single Screw Clip
With 1/2" Screw In Depth &
Channel For ground wire
\$4.75 / 100 100-4,900
\$3.75 / 100 5,000+

FC-2B Black
FC-2W White



RG-6 Dual Screw Clip
With 1/2" Screw In Depth &
Channel For ground wire
\$4.75 / 100 100-4,900
\$3.75 / 100 5,000+

CC-7B Black
CC-7WH White



Single RG-6 Cable Clip
\$0.99 / 100



ezEX RJ-45 Termination Systems



100062C
EXO Crimp Frame® with EZ-RJ45® die

100072C
EZ-RJ45 Die for EXO Crimp frame

100060C
EXO Crimp Frame® (Frame only w/o crimp die)

100072BL
Replacement blade for EZ-RJ45 die



The patented EXO Crimp Frame® with EZ-RJ45 Die was developed to terminate the original pass through EZ-RJ45 connectors which are a standard in the industry. The EXO Crimp Frame highlights a push button lock, ergonomic TPR handles, and works with the EXO-EX Die™ (P/N 100071C) for terminating ezEX-RJ45™ connectors.

- Single cycle crimp and flush trim
- EZ-RJ45® Die is easily interchangeable
- Reversible EZ-RJ45 Die for ambidextrous operation
- Connectors lock into tool for correct positioning during crimp
- Push button lock for easy storage
- Ergonomic comfort grip TPR handles
- Compatible with EZ-RJ45 connectors: EZ-RJ45 Cat5e and Cat6, Shielded Cat5e and Cat6 connectors (internal and external ground)



100061C
EXO Crimp Frame® with EXO-EX Die™

100071C
EXO-EX Die for EXO Crimp frame

100060C
EXO Crimp Frame® (Frame only w/o crimp die)

100071BL
Replacement blade for EXO-EX die



The patented EXO Crimp Frame® with EXO-EX Die™ was developed to terminate larger cables and conductors (typically Cat6/6A). EXO Crimp Frame with EXO-EX Die™ is designed for the ezEX-RJ45® connectors. The ezEX-RJ45 connectors are an RJ45 pass through connector, developed for larger cables and conductors. Integrated Hi-Lo stagger for improved performance, one piece design pass through system. The EXO Crimp Frame has a patented push button lock, ergonomic TPR handles and works with the EZ-RJ45® Die for terminating EZ-RJ45 connectors.

- Single cycle crimp and flush trim
- EXO Die™ is easily interchangeable
- Reversible EXO Die™ for ambidextrous operation
- Connectors lock into tool for correct positioning during crimp
- Push button lock for easy storage
- Ergonomic comfort grip TPR handles
- Terminates larger cables such as Cat6 and Cat6A

100028C
ezEX44 Connectors, 50/Clamshell.

202044J
ezEX44 Connector. 100/Jar

105024
ezEX44 Connectors, Bulk. 500/Bag



This ezEX™44 connector is designed for larger cables and conductors. Features a unique integrated Hi-Lo stagger load bar and allows 'big' conductors to pass through the front end of the connector making it easy to verify the wiring sequence before terminating. This connector is typically used with Cat6 and is terminated with EXO Crimp Frame® and EXO-EX Die™ (100061C). Cat-5e/6/6A compliant, works with solid or stranded 24-22 AWG conductors.

100029C
ezEX48 Connectors, 50/Clamshell.

202048J
ezEX48 Connector. 100/Jar

105025
ezEX48 Connectors, Bulk. 500/Bag



This ezEX™48 Connector is designed for larger cables and conductors. Features a unique integrated Hi-Lo stagger load bar and allows larger conductors to pass through the front end of the connector making it easy to verify the wiring sequence before terminating. This connector is typically used with Cat6A and is terminated with EXO Crimp Frame® and EXO-EX Die™ (100061C). Cat-6A compliant, works with solid or stranded 23-22 AWG conductors.



Professional Grade Tool Bags

TECH PAC-LT Laptop Series, Tech Tool Backpack

- Vertical Tool Pockets: 27 interior and exterior tool pockets of various sizes
- 2 Storage Bays- 4 Storage Platforms
- Front bay for tool storage
- Back bay for laptop, tablet, folders and business accessories
- D-Rings: 2 large and 4 small
- Outside Mounted Stainless Steel Tape Clip Holder
- Cable and Accessory Pockets
- Width: 8.5", Length: 14", Height: 19", Weight (empty): 7.4 lbs.
- Will accommodate most 15" laptops (15"x10"x1.5" is the max)

Veto Pro Pac's Tech Pac LT is the ultimate laptop backpack tool bag designed specifically for professional tradesmen who need to climb ladders, frequently go up and down stairs or walk long distances on a daily basis and need tools and technology storage.



TECH PAC HI-VIZ Laptop Series, Tech Tool Backpack, High Visibility

- Vertical Tool Pockets: 56 interior and exterior tool pockets of various sizes
- 2 Storage Bays- 4 Storage Platforms
- Manifold Gauge and Hose Storage Pocket
- D-Rings: 4 large and 5 small
- Outside Mounted Stainless Steel Tape Clip Holder
- Cable and Accessory Pockets
- Width: 9.875", Length: 14.25", Height: 21.5" (18.125" with Handle Folded Down), Weight (empty): 9 lbs.

Veto's Tech Pac backpack tool bag is designed specifically for professional tradesmen who need to climb ladders or walk long distances on a daily basis. Our Hi-Viz version features high visibility and water repellant fabric, YKK locking zippers, a magnetic screw catcher, metal shoulder strap sliding buckles, light gray interior pockets for better visibility, redesigned front top pockets for better storage and a redesigned stainless steel tape clip holder.



TECH PAC CAMO Camo Series, Tech Tool Backpack

- Vertical Tool Pockets: 56 interior and exterior tool pockets of various sizes
- 2 Storage Bays- 4 Storage Platforms
- Manifold Gauge and Hose Storage Pocket
- D-Rings: 4 large and 5 small
- Outside Mounted Stainless Steel Tape Clip Holder
- Cable and Accessory Pockets
- Width: 9.875", Length: 14.25", Height: 21.5" (18.125" with Handle Folded Down), Weight (empty): 9 lbs.

Veto's Tech Pac Camo backpack tool bag is designed specifically for professional tradesmen who need to climb ladders or walk long distances on a daily basis. Our Camo version features TRUETIMBER's KANATI Pattern, YKK locking zippers, a magnetic screw catcher, metal shoulder strap sliding buckles, light gray interior pockets for better visibility, redesigned front top pockets for better storage and a redesigned stainless steel tape clip holder.



PB4 - PARTS BAGS

- 10.5"L x 7.25"H
- YKK™ Zippers, 600 Denier Nylon Body Fabric
- See Through Side Mesh Panel
- Zippered Access, Color-Coded Webstrips
- Swivel Snap Hooks Attach to any Veto Pro Pac Tool Bag's D-Rings

Veto Pro Pac's PB4 is a 4-Pac Solution to the Clutter Dilemma. These bags are designed to store small tools, fasteners, wire nuts and other assorted items.





Professional Grade Tool Bags

TECH-MCT M Series Tool Bag

- Vertical Tool Pockets: 44 interior and exterior tool pockets of various sizes
- 2 Storage Bays- Hand Tools on one side; Meter and Drill Storage on the other side
- 2 Neoprene Pockets on Meter Side
- D-Rings: 2- 2" and 5- 1"
- Outside Mounted Stainless Steel Tape Clip Holder
- Quick Access Pocket for Drill Bit Extensions and Small Items
- Width: 8", Length: 10", Height: 14" (12" Inside Vertical Storage for Long Shank Tools), Weight (empty): 5.8 lbs.

Veto Pro Pac's Tech MCT is a compact, yet fully featured service, repair or installation tool bag that features everything you have come to expect from Veto Pro Pac: Veto Pro Pac's patented center panel, heavy duty construction and stabilizing injection molded waterproof base that keeps tools dry, even in the nastiest of conditions.



TECH OT-MC M Series Tool Bag

- 28 interior & exterior pockets
- Outside mounted stainless steel tape clip
- Interior injection molded plastic box with smaller repositionable "insert" box with lid
- Waterproof 3mm polypropylene base
- Extra wide padded shoulder strap
- Over-molded ergonomic grip
- 18" H (to top of handle) X 10"L X 8"W

The TECH OT-MC is a compact "open-top" tool bag with an internal plastic "box", housing a repositionable "insert" box that allows you to customize your storage space options. The TECH OT-MC also features multiple vertical tool pockets for quick & easy access.



TECH MC M Series Tool Bag

- Vertical Tool Pockets: 38 interior and exterior tool pockets of various sizes
- 2 Storage Bays- Hand Tools on one side; Meter and Drill Storage on the other side
- 2 Neoprene Pockets on Meter Side
- D-Rings: 2- 2" and 5- 1"
- Outside Mounted Stainless Steel Tape Clip Holder
- Quick Access Pocket for Drill Bit Extensions and Small Items
- Width: 8", Length: 10", Height: 12" (10" Inside Vertical Storage for Long Shank Tools), Weight (empty): 5 lbs.

Veto Pro Pac's Tech MC is a compact, yet fully featured service, repair or installation tool bag that features everything you have come to expect from Veto Pro Pac: Veto Pro Pac's patented center panel, heavy duty construction and stabilizing injection molded waterproof base that keeps tools dry, even in the nastiest of conditions.



TP4 - Tech Series Tool Pouch

- Vertical Tool Pockets: 20 interior and exterior
- Includes 2 Vertical Long Shank Side Tool Pockets
- D-Rings: 2 small
- 8" Electrical Tape Strap
- Width: 7", Depth: 4.75", Height: 9.5"

The TP4 is a clip-on diagnostics bag designed to hold a meter and a variety of tools. When not in use it can clip onto any model Veto tool bag's tape clip or D-Rings. It features 15 pockets of various sizes including bit pockets, vertical long shank pockets, a detachable rubber handle and other features that will accommodate the most commonly used tools to diagnose and repair problems on service calls.





CT-DLM870D Digital / Analog RF Signal Level Meter

...competitive technologies
with compelling value

Features:

- Direct input by frequency from 54 MHz - 870 MHz
- Direct input by channel number
- DVB average power measurement
- Measures Analog, 8VSB, QAM 64/256, DVB-C, BER & MER
- Simultaneously displays video carrier and audio carrier strength, and V/A measurement
- Switchable between dBmV and dBμV
- Tilt measurement of three user definable channels
- Carrier-to-noise ratio measurement
- Trunk voltage measurement
- Large 2 5/8" x 1 3/4" dot matrix LCD display with back light
- Battery powered handheld model with internal NiMH battery and included charger
- Rugged, compact and mobile rubber jacketed housing
- Battery life ≈ 5 hours

\$699.99



Ordering Information:

CT-DLM870D	Digital / Analog signal level meter
CT-DLM870D-BATT	Replacement battery
CT-DLM-CABLE	Interconnect cable to connect CT-DLM870D to a PC

SQ1000-S Q-Bit:

- Limited Training Needed To Operate
- Single Gang Box Cut-in's Are Simple & Convenient
- Very Safe - Will Not Cut Wires or Users
- 50% Less Dust Than Traditional Cutting
- Over 500+ Cuts With Limited Signs Of Wear
- User Friendly With Virtually Every Multi-Tool
- Size: 2 3/8" x 3 3/4"
- Includes: 1 Single Gang Q-Bit Blade

Single Gang Q-Bit Cut-In Saw For Multi-Tools

Call For
Pricing

For Q-bit Video,
Scan QR Code:



Compatible



Safe



Simple



Precise



CT-4101 (MP-4101)

Post construction bracket to hold a single gang wall plate when no box is present behind the wall. Wall plate mounts securely to CT-4101.

\$0.79 ea.

Plastic Outlet Boxes with Adjustable Screw Mounts



CT-LVB-DBL Double Gang

\$1.99 ea. 1-9
\$1.89 ea. 10-99
\$1.84 ea. 100-499
\$1.79 ea. 500+



CT-LVB-SGL Single Gang

\$0.99 ea. 1-9
\$0.89 ea. 10-99
\$0.84 ea. 100-499
\$0.79 ea. 500+



BTPRO-1000 RK

QAM/8VSB/Analog Signal Analyzer with Pro:Idiom™ Key Recovery

The BTPRO-1000 RK is a versatile CATV test instrument for measuring both digital and analog CATV and Broadcast TV signals. Robust and easy to use, BTPRO-1000 RK provides hours of operating time from its high capacity battery. The instrument comes complete with soft carrying case, AC main and automotive chargers.

An optional Pro:Idiom™ Key Recovery feature is available for Hospitality applications that employ Pro:Idiom™ television sets. The option consists of a built-in frequency agile QAM modulator that connects directly to an affected Pro:Idiom™ TV to provide new encryption key information.



Critical features for conducting your sight survey:

- Directly tests the Pro:Idiom compatibility of any television set in advance of system deployment
- MPEG4 compatibility test to confirm that the TV will receive MPEG4 HDTV signals
- MPEG1 Layer 2 compatibility test to determine if the TV's will require a converter box or headend audio transcoder to receive certain satellite pass thru audio signals
- Spectrum analyzer feature to check for frequencies in the network that may conflict with frequencies being added

Features

- QAM/8VSB/NTSC Measurements
- Extended frequency range of 4-1000 MHz
- MER, aBER, bBER, Noise Margin and Level/Power measurements plus Spectrum Analysis
- Automatic quality analysis: FAIL-MARGINAL-PASS based on user defined values
- Auto Seek & Store Function - an essential feature for creating custom memory channel plans Scans receivable signals, determines signal type (QAM,8VSB or analog) and stores only those channels having signal levels above user defined values
- Ingress and Leakage Modes
- Data Logger Function: Steps through each channel in the "Active" memory plan and stores all related measurements
- Graphics Display, Alpha-numeric keypad
- Optional TV Key Recovery for Hospitality Pro:Idiom™ systems

Ordering Information

BTPRO-1000 RK RK Signal Analyzer with Pro:Idiom™ Key Recovery Option

Measurements:

- MER, PER, LDPC, BCH, aBER, bBER, EVM, noise margin, level/power, real time spectrum analyzer and constellation display

CATV Measurements:

- DOCSIS downstream, INGRESS mode, LEAKAGE mode, BAR SCAN and TILT
- TV and CATV tuner, extended band, 4-1000 MHz
- Satellite tuner, extended band, 930-2250 MHz
- Auto discovery system automatically detects and selects analog and digital 8VSB/QAM TV signals in both Measurement and Spectrum modes
- Spectrum in real time, fast and super-fast with memory peak
- Detects, measures and displays video of MPEG 2/4 and H.264 HD programs
- All measurements, program lists, A/V PIDs, NET ID, virtual channel number, settings and pictures on one screen
- Automatic quality analysis: FAIL-MARG-PASS
- Auto memory, Manual memory and Datalogger functions
- Help function automatically identifies all the signals with digital modulation SAT, TV and CATV
- Bar scan TV and CATV function from 10 to 100 channels on one screen
- Audio decoding of AAC and AC3
- Battery test function, to regenerate and measure the batteries and calibrate the battery indicator
- Pre-memorized SAT transponder navigation
- Assisted satellite dish pointing
- DiSEqC commands

BTPRO-7000S

HD Tablet / Touch Signal Analyzer



The **BTPRO-7000S** is a professional HD Tablet/ Touch Analyzer with a frequency range of 4 to 2250 MHz. The analyzer features a 7 inch diagonal color screen, is compact in size and lightweight. It is the perfect instrument for analyzing and logging HD/SD QPSK/8PSK satellite, 8VSB, QAM and analog television or radio signals in the lab or out in the field.

Ordering Information BTPRO-7000S HD Tablet / Touch Signal Analyzer



...competitive technologies
with compelling value

1 GHz Multi-Media Drop Amplifiers



CT-BDA24



CTHDA-1P



CTHDA-2P

Features:

- For use in CATV systems that require two way multi-media networking
- Low noise
- High isolation between ports
- ESD Protection and zinc die cast housing prevent RFI
- 6KV Surge protection on all ports
- Perfect for digital cable applications
- Remotely powered over coax
- Line powered through RF port or externally powered through power in port
- CT-BDA24 Model has an adjustable gain control & a switchable FM trap

Ordering Information:

CTHDA-1P	Single input, single output, 15 dB forward gain, passive return
CTHDA-2P	Single input, two outputs, 10 dB forward gain, passive return
CTHDA-1A	Single input, single output, 15 dB forward gain, 10 dB reverse gain
CT-BDA24	Single input, single output, 24 dB forward gain, 12 dB reverse gain with adjustable gain control & switchable FM trap



1-9

10+

\$33.95

\$29.95

\$34.95

\$27.95

\$38.95

\$34.95

\$47.95

\$44.95

1,000 MHz, 30 dB Gain Amplifier With Passive Return CTA-30A

Features:

- 30 dB Forward gain
- 54-1,000 MHz Forward bandwidth
- 5-42 MHz Passive return path
- 10 dB Forward gain control range
- Built in FM trap switch



7777-CM \$77.99 ea.

Channel Master Antenna Preamplifier

- 75 Ohm
- 30 dB Gain
- Single input, 30 - 1002 MHz
- Maximum input 15 dB
- Maximum output 40 dB
- Includes power supply

7778-CM \$77.99 ea.

Channel Master Antenna Preamplifier

- 75 Ohm
- 16 dB Gain
- Single input, 30 - 1002 MHz
- Maximum input 34 dB
- Maximum output 50 dB
- Includes power supply



...competitive technologies
with compelling value

CTA-30/870AR 870 MHz, 30 dB Gain Amplifier With Active Return

Features:

- 30 dB Forward gain
- 54-870 MHz Forward bandwidth
- 20 dB Reverse gain
- 5-42 MHz Reverse bandwidth
- Forward gain & slope control
- Reverse gain control
- 10 dB Forward gain control range

\$137.99 ea.



Description:

The CTA-30/870AR is a commercial quality amplifier with 30 dB of forward gain across a bandwidth of 54 - 870 MHz. This amplifier was designed for the indoor amplification of CATV signals as well as UHF/VHF signals. The output of the CTA-30/870AR is easily adjusted using the front panel gain control with 10 dB of gain control range. With separate gain controls for forward and reverse levels, the CTA-30/870AR can easily be adjusted to maximize performance.

CTA-35/1000PR 1,000 MHz, 35 dB Gain Amplifier With Passive Return

Features:

- 35 dB Forward gain
- 54-1,000 MHz Forward bandwidth
- 5-42 MHz Reverse bandwidth
- Passive return path
- Forward gain & slope control
- 16 dB Forward gain control range

\$129.99 ea.



Description:

The CTA-35/1000PR is a commercial quality amplifier with 35 dB of forward gain across a bandwidth of 54 - 1,000 MHz. This amplifier was designed for the indoor amplification of CATV signals as well as UHF/VHF signals. The output of the CTA-35/1000PR is easily adjusted using the front panel gain control with 16 dB of gain control range. With input and output test ports, the CTA-35/1000PR can easily be adjusted to maximize performance without disrupting service.

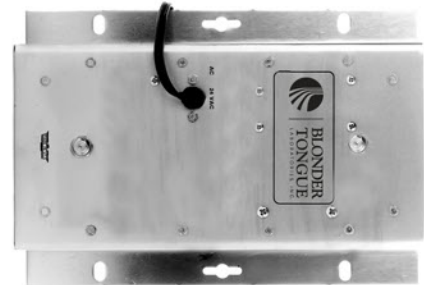


Blonder Tongue RMDA Series Rack Mounted Distribution Amplifiers



RMDA-550-30	30 dB Gain, 550 MHz, Push-Pull
RMDA-750-30	30 dB Gain, 750 MHz, Push-Pull
RMDA-750-30P	30 dB Gain, 750 MHz, Power-Doubling
RMDA-860-30P	30 dB Gain, 860 MHz, Power-Doubling
RMDA-860-43P	43 dB Gain, 860 MHz, Power-Doubling
RMDA-1000-30	30 dB Gain, 1,000 MHz, Push-Pull

Blonder Tongue ACA Series Indoor Wall Mount Distribution Amplifiers



ACA-35-1000
35 dB Gain, 1,000 MHz

ACA-30-550	30 dB Gain, 550 MHz, Forward Only
ACA-30-55R	30 dB Gain, 550 MHz, Passive Return
ACA-30-75R	30 dB Gain, 750 MHz, Passive Return

Blonder Tongue BIDA Series Indoor Wall Mount Distribution Amplifiers



BIDA-550-30	30 dB Gain, 550 MHz, Push-Pull
BIDA-550-50	50 dB Gain, 550 MHz, Push-Pull
BIDA-55A-30	30 dB Gain, 550 MHz, Push-Pull, with return path amplifier
BIDA-750-30	30 dB Gain, 750 MHz, Push-Pull
BIDA-75A-43	43 dB Gain, 750 MHz, Push-Pull, with return path amplifier
BIDA-86A-30	30 dB Gain, 860 MHz, Push-Pull, with return path amplifier, 36/49 split
BIDA-86A-30P	30 dB Gain, 860 MHz, Power-Doubling, with return path amplifier, 36/49 split
BIDA-86A-43	43 dB Gain, 860 MHz, Push-Pull, with return path amplifier, 36/49 split
BIDA-86A-43P	43 dB Gain, 860 MHz, Power-Doubling, with return path amplifier, 36/49 split
BIDA-86B-30	30 dB Gain, 860 MHz, Push-Pull, with return patch amplifier, 42/54 split
BIDA-86B-30P	30 dB Gain, 860 MHz, Power-Doubling, with return path amplifier, 42/54 split
BIDA-86B-43	43 dB Gain, 860 MHz, Push-Pull, with return path amplifier, 42/54 split
BIDA-86B-43P	43 dB Gain, 860 MHz, Power-Doubling, with return path amplifier, 42/54 split
BIDA-100A-30	30 dB Gain, 1,000 MHz, Push-Pull, with return path amplifier, 36/49 split
BIDA-100A-30P	30 dB Gain, 1,000 MHz, Power-Doubling, with return path amplifier, 36/49 split
BIDA-100A-43	43 dB Gain, 1,000 MHz, Push-Pull, with return path amplifier, 36/49 split
BIDA-100A-43P	43 dB Gain, 1,000 MHz, Power-Doubling, with return path amplifier, 36/49 split
BIDA-100B-30P	30 dB Gain, 1,000 MHz, Power-Doubling, with return path amplifier, 42/54 split
BIDA-100B-43P	43 dB Gain, 1,000 MHz, Power-Doubling, with return path amplifier, 42/54 split

**Call For
Pricing**

CABLETRONIX® CTGHS Series 1 GHz Solder Back Splitters



CTGHS-2	2 Way Splitter
CTGHS-3	3 Way Splitter
CTGHS-4	4 Way Splitter
CTGHS-6	6 Way Splitter
CTGHS-8	8 Way Splitter

1-9	10-49	50+
\$1.69	\$1.49	\$1.29
\$1.89	\$1.69	\$1.49
\$1.99	\$1.79	\$1.59
\$3.29	\$3.09	\$2.89
\$4.09	\$3.89	\$3.59



CABLETRONIX® CTVS SB Series 1 GHz Vertical Splitters - Solder Back



CTVS-2SB	2 Way Splitter
CTVS-3SB	3 Way Splitter
CTVS-4SB	4 Way Splitter
CTVS-8SB	8 Way Splitter

1-49	50+
\$1.39	\$1.19
\$2.49	\$1.99
\$3.59	\$3.29
\$4.29	\$3.89



Blonder Tongue 1 GHz Splitters



SDS-12 Call for Pricing
1 X 12 Splitter, 1 GHz, Solder Back



SDS-16 Call for Pricing
1 X 16 Splitter, 1 GHz, Solder Back

Amplifiers
& Splitters

CABLETRONIX® CTLBD Series 2.3 GHz Solder Back Splitters, 2A Power Pass



CTLBD-2	2 Way Splitter, 1 Leg Power Pass
CTLBD-2P	2 Way Splitter, All Legs Power Pass
CTLBD-3P	3 Way Splitter, All Legs Power Pass
CTLBD-4	4 Way Splitter, 1 Leg Power Pass
CTLBD-4P	4 Way Splitter, All Legs Power Pass
CTLBD-8P	8 Way Splitter, All Legs Power Pass

1-99	100+
\$3.39	\$3.19
\$4.09	\$3.89
\$5.29	\$4.89
\$5.29	\$4.89
\$5.59	\$5.19
\$9.19	\$8.69



LPD Series Trunk Grade Wideband Splitters



LPD-2 (6405)
2 Way Splitter,
10-2150 MHz,
1 Port Power Passive

LPD-2P (6409)
2 Way Splitter,
10-2150 MHz,
All Ports Power Passive,
Diode Steered



LPD-3P (6410)
3 Way Splitter,
10-2150 MHz,
All Ports Power
Passive
Diode Steered



LPD-4 (6411)
4 Way Splitter,
10-2150 MHz,
1 Port Power Passive

LPD-4P (6412)
4 Way Splitter,
10-2150 MHz,
All Ports Power Passive,
Diode Steered



LPD-6 (6413)
6 Way Splitter,
10-2150 MHz,
1 Port Power Passive

LPD-6P (6422)
6 Way Splitter,
10-2150 MHz,
All Ports Power Passive,
Diode Steered

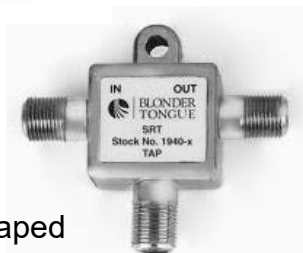


LPD-8 (6415)
8 Way Splitter,
10-2150 MHz,
1 Port Power Passive

LPD-8P (6435)
8 Way Splitter,
10-2150 MHz,
All Ports Power Passive,
Diode Steered



Blonder Tongue SRT Series 1 GHz Directional Couplers



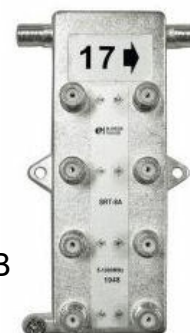
SRT-*
Single Port Taps, T-Shaped
Call for pricing
Available values 4,6,9,12,16,20,24,27,30 dB



SRT-2A-*
Two Port Taps
Call for pricing
Available values
4,8,11,14,17,20,23,26,29,32 dB



SRT-4A-*
Four Port Taps
Call for pricing
Available values
8T,11,14,17,20,23,26,29,32,35 dB
8 dB Model has automatic termination of through port



SRT-8A-*
Call for pricing
Available values
11T,14,17,20,23,26,29,32,35 dB
11 dB Model has automatic termination of through port

1 GHz Coaxial Cable Taps



...competitive technologies
with compelling value

CTGT & CTGTW Series Taps

Features:

- Solder back for excellent shielding >-130 dB
- 5-1,000 MHz Frequency range
- Wall mounting screws included (CTGT only)
- High Isolation
- Tin plated zinc die-cast housing for corrosion protection and grounding
- 6, 9, 12, 16, 20, 24, 27 & 30 dB Values available

T-Style

CTGT-6	6 dB	
CTGT-9	9 dB	
CTGT-12	12 dB	
CTGT-16	16 dB	
CTGT-20	20 dB	
CTGT-24	24 dB	\$1.09 ea. 1-24
CTGT-27	27 dB	\$0.95 ea. 25-99
CTGT-30	30 dB	\$0.89 ea. 100+



90 Degree Wall Plate Style

CTGTW-6	6 dB	
CTGTW-9	9 dB	
CTGTW-12	12 dB	
CTGTW-16	16 dB	
CTGTW-20	20 dB	
CTGTW-24	24 dB	\$1.39 ea. 1-24
CTGTW-27	27 dB	\$1.25 ea. 25-99
CTGTW-30	30 dB	\$1.19 ea. 100+



CTGT2 Series 2 Port Taps

Features:

- Solder back for excellent shielding >-130 dB
- 5-1,000 MHz Frequency range
- High Isolation
- Tin plated zinc die-cast housing for corrosion protection and grounding
- 6, 9, 12, 16, 20, 24, 27 & 30 dB Values available

Ordering Information

CTGT2-6	6 dB
CTGT2-9	9 dB
CTGT2-12	12 dB
CTGT2-16	16 dB
CTGT2-20	20 dB
CTGT2-24	24 dB
CTGT2-27	27 dB
CTGT2-30	30 dB



\$1.99 ea. 1-24

\$1.79 ea. 25-99

\$1.59 ea. 100+

CTGT4 Series 4 Port Taps

Features:

- Solder back for excellent shielding >-130 dB
- 5-1,000 MHz Frequency range
- Wall mounting screws included
- High Isolation
- Tin plated zinc die-cast housing for corrosion protection and grounding
- 8, 12, 16, 20, 24 & 30 dB Values available

Ordering Information

CTGT4-8	8 dB (Terminating)
CTGT4-12	12 dB
CTGT4-16	16 dB
CTGT4-20	20 dB
CTGT4-24	24 dB
CTGT4-30	30 dB



\$3.89 ea. 1-24

\$3.49 ea. 25-99

\$3.19 ea. 100+

CTGT8 Series 8 Port Taps

Features:

- Solder back for excellent shielding
- 5-1,000 MHz Frequency range
- Integrated grounding screw
- Wall mounting screws included
- High Isolation
- 11, 14, 17, 20, 23, 26, 29, 32 & 35 dB Values available
- 11 dB Model is terminated (no through port)

Ordering Information

CTGT8-11	11 dB (Terminating)
CTGT8-14	14 dB
CTGT8-17	17 dB
CTGT8-20	20 dB
CTGT8-23	23 dB
CTGT8-26	26 dB
CTGT8-29	29 dB
CTGT8-32	32 dB
CTGT8-35	35 dB



\$7.99 ea. 1-24

\$7.29 ea. 25+

1 GHz Coaxial Cable Tap Loss Figures

CTGT-* Series Single Port Coaxial Tap, T-Shape, 1 GHz

Tap Loss (dB)		6 dB	9 dB	12 dB	16 dB	20 dB	24 dB	27 dB	30 dB
		Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
Tap Loss (dB)	5-50 MHz	6.5	8.9	12.0	16.0	20.0	24.0	27.0	30.0
	50-750 MHz	6.7	9.3	13.0	17.0	21.0	24.0	27.0	30.0
	750-1000 MHz	7.4	9.9	13.0	17.0	21.0	25.0	28.0	31.0
Insertion Loss (In / Out) (dB Max.)	5-10 MHz	2.0	1.0	0.7	0.5	0.4	0.3	0.3	0.3
	10-50 MHz	2.1	0.9	0.7	1.4	0.4	0.3	0.4	0.4
	50-450 MHz	2.2	1.2	0.7	0.6	0.5	0.5	0.5	0.5
	450-750 MHz	2.3	1.3	0.9	0.8	0.7	0.7	0.7	0.7
	750-1000 MHz	2.8	1.9	1.2	1.1	1.1	1.1	1.2	1.2

CTGTW-* Series Single Port Coaxial Tap, 90 Degree, 1 GHz

Tap Loss (dB)		6 dB	9 dB	12 dB	16 dB	20 dB	24 dB	27 dB	30 dB
		Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
Tap Loss (dB)	5-50 MHz	6.5	8.9	12.0	16.0	20.0	24.0	27.0	30.0
	50-750 MHz	6.7	9.3	13.0	17.0	21.0	24.0	27.0	30.0
	750-1000 MHz	7.4	9.9	13.0	17.0	21.0	25.0	28.0	31.0
Insertion Loss (In / Out) (dB Max.)	5-10 MHz	2.0	1.0	0.7	0.5	0.4	0.3	0.3	0.3
	10-50 MHz	2.1	0.9	0.7	1.4	0.4	0.3	0.4	0.4
	50-450 MHz	2.2	1.2	0.7	0.6	0.5	0.5	0.5	0.5
	450-750 MHz	2.3	1.3	0.9	0.8	0.7	0.7	0.7	0.7
	750-1000 MHz	2.8	1.9	1.2	1.1	1.1	1.1	1.2	1.2

CTGT2-* Series Two Port Coaxial Tap, 1 GHz

Tap Loss (dB)		6 dB	9 dB	12 dB	16 dB	20 dB	24 dB	27 dB	30 dB
		Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
Tap Loss (dB)	5-50 MHz	6.0	8.0	12.0	16.0	20.0	24.0	27.0	30.0
	50-750 MHz	6.1	8.1	12.1	16.1	20.1	24.1	27.1	30.1
	750-1000 MHz	6.3	8.3	12.3	16.3	20.3	24.3	27.3	30.3
Insertion Loss (In / Out) (dB Max.)	5-50 MHz	3.3	3.3	1.2	0.8	0.5	0.5	0.5	0.5
	50-450 MHz	3.6	3.6	1.5	0.9	0.8	0.8	0.8	0.8
	450-750 MHz	3.7	3.7	1.8	1.1	0.9	0.9	0.9	0.9
	750-1000 MHz	4.1	4.1	2.0	1.2	1.0	1.0	1.0	1.0

CTGT4-* Series Four Port Coaxial Tap, 1 GHz

Tap Loss (dB)		8 dB	12 dB	16 dB	20 dB	24 dB	30 dB
		Typ	Typ	Typ	Typ	Typ	Typ
Tap Loss (dB)	5-50 MHz	8.0	12.0	16.0	20.0	24.0	30.0
	50-750 MHz	8.1	12.1	16.1	20.1	24.1	30.1
	750-1000 MHz	8.3	12.3	16.3	20.3	24.3	30.3
Insertion Loss (In / Out) (dB Max.)	5-10 MHz	NA	3.5	1.2	0.8	0.6	0.6
	10-50 MHz	NA	3.4	1.0	0.8	0.5	0.5
	50-450 MHz	NA	3.5	1.1	0.8	0.6	0.6
	450-750 MHz	NA	3.8	1.6	0.9	0.8	0.8
	750-1000 MHz	NA	4.0	2.2	1.0	1.0	1.0

CTGT8-* Series Eight Port Coaxial Tap, 1 GHz

Tap Loss (dB)		11 dB	14 dB	17 dB	20 dB	23 dB	26 dB	29 dB	32 dB	35 dB
		Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
Tap Loss (dB)	5-50 MHz	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	35.0
	50-750 MHz	11.1	14.1	17.1	20.1	23.1	26.1	29.1	32.1	35.1
	750-1000 MHz	11.3	14.3	17.3	20.3	23.3	26.3	29.3	32.3	35.3
Insertion Loss (In / Out) (dB Max.)	5-50 MHz	NA	3.5 dB	1.9 dB	1.2 dB	0.8 dB	0.8 dB	0.7 dB	0.7 dB	0.7 dB
	50-450 MHz	NA	4.0 dB	2.3 dB	1.5 dB	1.0 dB	0.9 dB	0.8 dB	0.8 dB	0.8 dB
	450-750 MHz	NA	4.2 dB	2.4 dB	1.8 dB	1.2 dB	1.0 dB	1.0 dB	1.0 dB	1.0 dB
	750-1000 MHz	NA	4.5 dB	2.5 dB	2.0 dB	1.4 dB	1.2 dB	1.0 dB	1.0 dB	1.0 dB



...Competitive technologies
with compelling value

SA Compatible Commercial Hardline Taps & Splitters



CTT8G-* \$21.99 ea.

8 Port 1 GHz Hardline Tap
Specify Value When Ordering
Values Available:
11, 14, 17, 20, 23, 26, 29, 32, 35 dB
11 dB Value Has Through Port Terminated



CTT4G-* \$15.29 ea.

4 Port 1 GHz Hardline Tap
Specify Value When Ordering
Values Available:
8, 11, 14, 17, 20, 23, 26, 29, 32, 35 dB
8 dB Value Has Through Port Terminated



CTT2G-* \$13.99 ea.

2 Port 1 GHz Hardline Tap
Specify Value When Ordering
Values Available:
4, 8, 11, 14, 17, 20, 23, 26, 29, 32 dB
4 dB Value Has Through Port Terminated



CTPI \$29.99 ea.

Hardline Power Inserter
For Use With Hardline
Power Supplies



CTDC-* \$26.99 ea.

Hardline Directional Coupler
Specify Value When Ordering
Values Available: 8, 12 & 16 dB



CTSPG-2 \$25.99 ea.

2 Way 1 GHz Hardline Splitter



CTSPG-3 \$25.99 ea.

3 Way 1 GHz Hardline Splitter



...competitive technologies
with compelling value

CT-CATVPS60/90 CATV Power Supply 60/90VAC, 15A

\$399.99 ea.

Features:

- Constant voltage ferroresonant transformer
- Fully regulated, clean and reliable AC power output
- Input and output surge protection
- Current limited output and short-circuit protection
- Automatic restart upon removal of short
- Field selectable output voltages
- Powder coated enclosure for outdoor applications
- Pole & wall mount installations
- 5/8" Female output connection
- Durable LED indicator
- Power inserter sold separately

Description:

The CableTronix CT-CATVPS60/90 is a CATV power supply designed to provide conditioned power to remote active devices over a hardline CATV cable distribution plant. This unit is designed to work with either 120VAC or 220VAC input voltages with a 60VAC or 90VAC selectable output. The enclosure is built of durable, weather-resistant, powder coated aluminum for outdoor applications. It is able to withstand the harshest environments. The included installation bracket allows the unit to be easily mounted on a flat vertical surface or on a wooden / concrete pole. The hardline power inserter is not included and is sold separately.



Outdoor
Distribution

1 GHz Hardline Tap Loss Figures

2 PORT TAP MAXIMUM INSERTION LOSS

TAP VALUE	4	8	11	14	17	20	23	26	29	32	35
FREQUENCY											
5 MHz	-	3.5	2.0	1.4	1.4	1.0	0.7	0.7	0.7	0.7	0.7
300 MHz	-	3.8	2.0	1.5	1.0	0.9	0.8	0.7	0.7	0.7	0.7
400 MHz	-	3.9	2.2	1.5	1.1	1.0	0.9	0.8	0.8	0.8	0.8
500 MHz	-	4.1	2.4	1.8	1.5	1.2	1.1	1.1	1.1	1.1	1.1
600 MHz	-	4.3	2.5	1.9	1.7	1.4	1.3	1.3	1.3	1.3	1.3
900 MHz	-	5.1	3.2	2.5	1.8	1.6	1.6	1.6	1.6	1.6	1.6
1000 MHz	-	5.5	3.6	3.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4

4 PORT TAP MAXIMUM INSERTION LOSS

TAP VALUE	8	11	14	17	20	23	26	29	32	35
FREQUENCY										
5 MHz	-	3.5	2.0	1.4	1.4	1.0	0.7	0.7	0.7	0.7
300 MHz	-	3.8	2.0	1.5	1.0	0.9	0.8	0.7	0.7	0.7
400 MHz	-	3.9	2.2	1.5	1.1	1.0	0.9	0.8	0.8	0.8
500 MHz	-	4.1	2.4	1.8	1.5	1.2	1.1	1.1	1.1	1.1
600 MHz	-	4.3	2.5	1.9	1.7	1.4	1.3	1.3	1.3	1.3
900 MHz	-	5.1	3.2	3.0	1.8	1.6	1.6	1.6	1.6	1.6
1000 MHz	-	5.5	3.6	3.5	2.4	2.4	2.4	2.4	2.4	2.4

8 PORT TAP MAXIMUM INSERTION LOSS

TAP VALUE	12	15	18	21	24	27	30	33	36
FREQUENCY									
5 MHz	-	3.5	2.0	1.4	1.4	1.0	0.8	0.8	0.8
300 MHz	-	3.8	2.0	1.2	1.0	0.9	0.9	0.9	0.9
400 MHz	-	3.9	2.1	1.5	1.1	1.0	0.9	0.9	0.9
500 MHz	-	4.1	2.4	1.8	1.5	1.2	1.1	1.1	1.1
600 MHz	-	4.3	2.5	1.9	1.7	1.4	1.3	1.2	1.2
900 MHz	-	5.1	3.2	3.0	1.8	1.6	1.6	1.6	1.6
1000 MHz	-	5.5	3.6	3.5	2.9	2.6	2.5	2.5	2.5

	2 WAY SPLITTER	3 WAY SPLITTER	CTDC-8	CTDC-12	CTDC-16	CTPI
FREQUENCY						
5-10 MHz	4.1	4.2/7.8	2.2	1.5	2.0	0.9
10-50 MHz	4.0	4.1/7.8	2.2	1.4	1.4	0.7
50-300 MHz	4.4	4.6/8.0	2.5	1.8	1.8	0.9
300-400 MHz	4.4	4.6/8.2	2.6	1.9	1.9	1.0
400-500 MHz	4.8	5.0/8.3	2.9	2.2	2.0	1.1
500-600 MHz	5.0	5.2/8.5	3.2	2.3	2.1	1.2
600-900 MHz	5.2	5.5/8.8	3.5	2.7	2.4	1.3
900-1000 MHz	5.4	5.5/9.2	3.8	3.1	2.8	1.3

Wall Boxes & Pedestals

\$8.39 ea.

11-MSE-GY-S

9" x 6" x 3"

Plastic Lock Box



\$7.49 ea.

10-MTE-GY-S

7" x 5" x 1 1/2"

Plastic Lock Box



11-MDE-GY-S

17" x 10" x 3"

Plastic Lock Box,
Can be used as a single
or double door enclosure

\$16.39 ea.



11-CTE-GY-S

9" x 9" x 3"

Plastic Lock Box

\$8.99 ea.



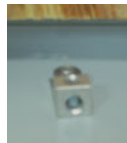
CT-LB242411 Gray

Metal Lock Boxes

Features:

- 24"W x 24"H x 11"D
- Integrated plywood backboard
- Internal grounding lug
- Dual locking hasps to fit standard padlocks
- Internal AC outlet
- Multiple sized cable knock outs
- Louvered vents

\$181.99 ea.



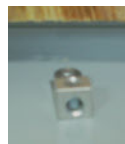
CT-LB181211 Gray

Metal Lock Boxes

Features:

- 12"W x 18"H x 11"D
- Integrated plywood backboard
- Internal grounding lug
- Single locking hasp to fit standard padlocks
- Multiple sized cable knock outs
- Louvered vents

\$137.99 ea.



Outdoor Pedestals

CT-PEDSM14

9" x 9" x 14"

\$54.99 ea.

CT-PEDME20

9" x 9" x 20"

\$64.99 ea.

CT-PEDLG28

9" x 9" x 28"

\$72.99 ea.

Features:

- rectangular shape with rounded radius design
- Removable cover for 360 degree access
- Manufactured from high impact U.V. Stabilized poly material
- Hidden louvered venting eliminates interior heat buildup
- Ship standard with locking hasp and ground mount stake/tap mounting bracket
- Standard color: Green





...competitive technologies
with compelling value

Features:

- Heavy duty corrosion resistant alloy aluminum
- Chromate conversion coated for added protection
- Ultra violet resistant EPDM O-rings
- Each connector is individually stamped with model number for easy identification
- Gold plated brass contacts
- Pressure tested to 40 PSIG minimum
- Feed-Thru and Pin Type connectors have external 5/8" - 24 mounting threads

Hardline Connectors & Adapters



CT-CST-500
\$54.99 ea.
.500 Coring Tool



ICHBAFFKS/2 \$5.79 ea.
BAFF Cap, Converts existing
Pin connector to F Female



CT-TLC-500-CH-DU-03 \$4.19
.500 Pin Connector



CT-TLC-500-B-DU-03 \$3.19
.500 Feed Through Connector



CT-TLC-500-SP-DU-03 \$9.89
.500 In Line Splice



CT-TLC-500-BAFF-03 \$7.99
.500 To F Female Adapter



CT-TLC-625-CH-S \$2.39
Pin To F Female Adapter



CT-TLC-HSB-A \$6.99
Hardline Splice Block



CT-TLC-KS-KS-M \$4.99
Housing To Housing Adapter



CT-TLC-90 \$7.29
90 Degree Hardline Adapter



CT-TLC-M \$2.99
Hardline Housing Terminator

Outdoor
Distribution

Satellite Dish Installation Materials

All Purpose Nylon Cable Ties



Features:

- Nylon 6.6 Weather Resistant Cable Ties
- UV Protected – pass 500 Hour UV Test
- 50 lb Tensile Strength for 8", 11" & 15" Ties
- Conveniently Packaged 100 Per Pack
- Sturdy Non-Releasing Head

CT-8BL-C	8" Black Ties, 100 / Pack	\$1.69 / 100
CT-8WH-C	8" White Ties, 100 / Pack	\$1.69 / 100
CT-11B	11" Black Ties, 100 / Pack	\$2.59 / 100
CT-11WH	11" White Ties, 100 / Pack	\$2.59 / 100
CT-15BL	15" Black Ties, 100 / Pack	\$3.99 / 100
CT-15WH	15" White Ties, 100 / Pack	\$3.99 / 100

17PNLORG

Orange cable marking tags, serialized, marking surface on both sides

\$22.00 / 100

Also available in
Black, Blue, Green, Red & Yellow



GB-1UL



\$0.45 ea.

Single Grounding Block
With two set screws for two
separate ground wires,
5-3,000 MHz, UL Listed

200-279



\$1.00 ea.

Dual Grounding Block
With two set screws for two
separate ground wires,
5-3,000 MHz, UL Listed

GRD BLK 4 W BOOT



\$2.89 ea.

Quad Grounding Block with two set screws for two
separate ground wires, with weather boots,
5-3,000 MHz, UL Listed



GW10C-GN

#10 Copper Ground Wire,
Green PVC Jacket
Call For Pricing

AGC-3



Single grounding lug with
hole for ground screw and
seizing screw
\$0.49 ea.

Heat Shrinkable Cable Sleeves

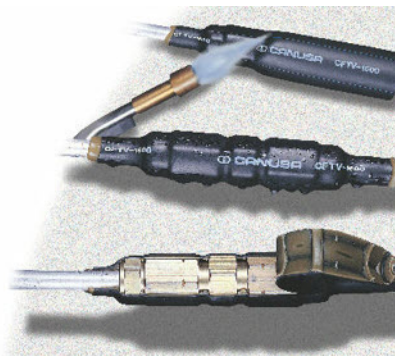
Heat shrinkable tubing and adhesive liner combination that established the CATV industry standard for splice and connector protection.

Features:

- An absolutely waterproof seal
- Selective strippability to meet CATV industry specifications
- Minimal heat required to produce error free installation without splitting
- Heat indicative paint ensures integrity of seal
- Fast and simple installation
- Continuous operating temperature -55 Deg. C to 110 Deg. C
- Shrink temperature: 120 Deg. C
- Standard length = 48 Inches

Part #	Internal Diameter Expanded	Internal Diameter Shrunk (Max)	Application Range
CFTV-0400-48	0.40	0.15	.18-.34
CFTV-0750-48	0.75	0.22	.24-.65
CFTV-1100-48	1.10	0.40	.45-1.00
CFTV-1300-48	1.30	0.40	.45-1.20
CFTV-1500-48	1.50	0.50	.55-1.4
CFTV-1700-48	1.70	0.50	.55-1.6
CFTV-2050-48	2.05	0.75	.82-1.8
CFTV-2750-48	2.75	1.00	1.2-2.5

*All measurements are listed in inches.





Satellite Distribution Equipment

SWM Extension Amplifier SD-SWMA2-T \$44.99 ea.

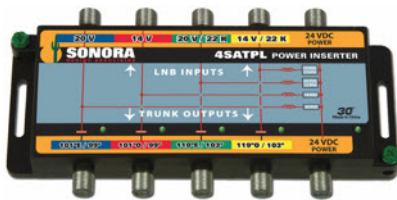


- Indoor DBS line powered amplifier with 940 to 2150 MHz forward gain and passive 2 MHz to 806 MHz return.
- Boosts SWM 940 to 2150 MHz signals offsetting the loss of 150 feet of RG-6 while bidirectionally passing 2 to 806 MHz DECA, MoCA and receiver control signals.
- MoCA & DECA signals in the 475 to 625 MHz band pass through the SD SWMA2
- 1 dB of Loss at 2 - 806 MHz, 12 dB gain at 940-1,450 MHz, 15 dB gain at 1,450 MHz to 2,150 MHz.



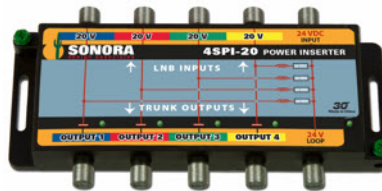
HRV Series Vertical Splitters, High Performance, 2-2400 MHz, Diode Steered

HRV-S2	1 x 2 Vertical Splitter	\$4.79 ea.
HRV-S3	1 x 3 Vertical Splitter	\$5.99 ea.
HRV-S4	1 x 4 Vertical Splitter	\$7.19 ea.
HRV-S8	1 x 8 Vertical Splitter	\$12.99 ea.



4SATPL-PI29 \$42.99 ea. 4 Line Power Inserter

- Supplies LNB power to 4 LNB lines
- 13V, 18V, 13V with 22KHz & 18V with 22 KHz
- Requires PI-29Z power supply (not included)



4SPI-20 \$51.99 ea. 4 Line Power Inserter

- Supplies LNB power to 4 LNB lines
- 20 VDC on all 4 lines
- Blocks DC from RF inputs
- Power supply included



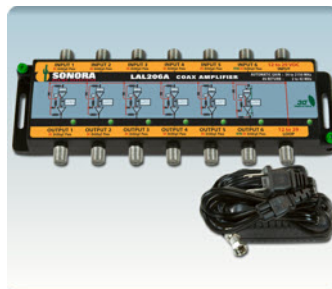
HRVT Series Vertical Tap (Directional Coupler) 1-Port, High Performance, 2-2400 MHz \$4.69 ea.

HRV-T106	6 dB
HRV-T109	9 dB
HRV-T112	12 dB
HRV-T116	16 dB



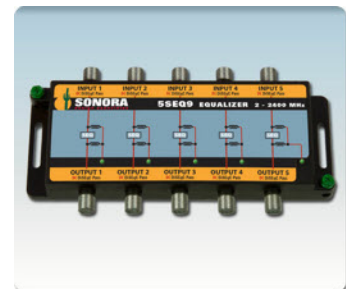
LAL204A-T \$137.99 ea. 4 Line Auto Gain Satellite Amplifier

- Auto gain output of -20 dBm @ 2150 MHz
- Accommodates up to four satellite lines
- 54 MHz to 2,400 MHz
- Power supply included



LAL206A-T \$142.99 ea. 6 Line Auto Gain Satellite Amplifier

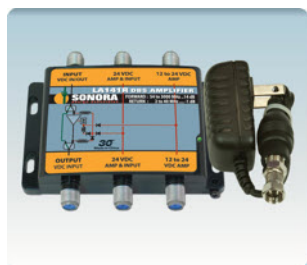
- Auto gain output of -20 dBm @ 2150 MHz
- Accommodates up to six satellite lines
- 54 MHz to 2,400 MHz
- Power supply included



5SEQ9 \$27.99 ea. 5 Line Slope Equalizer

- Provides 9 dB of slope
- Accommodates up to five satellite lines
- 2 MHz to 2,400 MHz

Ka/Ku Satellite Distribution Equipment



LA-141R-T \$46.50 ea.
Single Line Amplifier

- 14 dB Gain, 6 dB slope
- 54-3,500 MHz forward
- 2-40 MHz return
- Perfect for amplification of any single satellite line including SWM applications
- 12V Power supply included



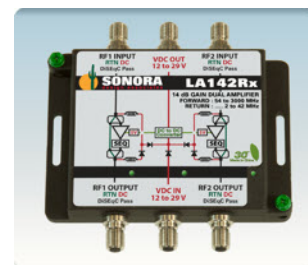
LA-281R-T \$59.99 ea.
Single Line Amplifier

- 28 dB Gain, 6 dB slope
- 54-2,400 MHz forward
- 2-40 MHz return
- Perfect for amplification of any single satellite line including SWM applications
- 12V Power supply included



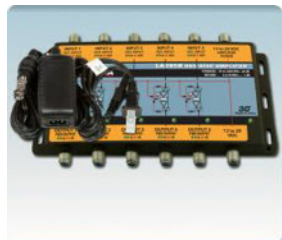
PAL1510-T \$117.90 ea.
Single Line Amplifier

- 54 - 2,400 MHz Forward
- Selectable fixed output of +1, -5 or -10 dBm
- 10 / 15 dB Selectable slope
- -40 dBm Minimum input
- Power supply included



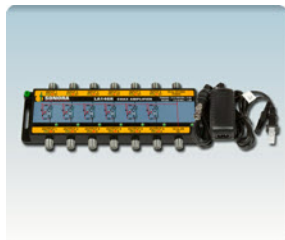
LA-142Rx-T12 \$75.00 ea.
Dual Line Amplifier

- 14 dB Gain, 5 dB slope
- Receiver powered
- 54-3,000 MHz forward, 2-42 MHz return
- DC Power passing out to in
- Power supply included
- Outdoor housing



LA-285R-T \$129.99 ea.
5 Line Satellite Amplifier

- 54 - 2,400 MHz Forward
- 2 - 40 MHz Reverse
- 28 dB Forward Gain
- 1 dB Reverse Loss
- Amplifies 5 Individual Lines
- Power supply included



LA-146R-T \$129.99 ea.
6 Line Satellite Amplifier

- 54 - 2,150 MHz Forward
- 2 - 40 MHz Return
- 9 dB to 16 dB Sloped gain from 54 - 2,150 MHz
- -18 dBm Maximum input
- Power supply included



SD-SWMD2 \$5.69 ea.
Satellite Diplexer

Intended for CATV and SWM separation or combining where isolation is less critical. Features low in-band insertion loss. SWM control 2.3 MHz and MRV/DECA isolation is 35 dB minimum.



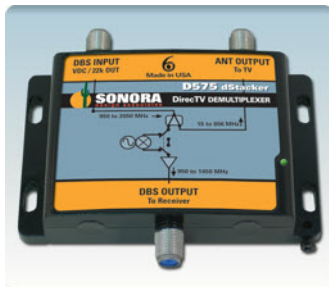
SD-SWMD3 \$9.09 ea.
Satellite Diplexer

Intended for CATV and SWM isolation where both 2.3 MHz and MRV filtering is critical. The D3 adds a band reject filter at 475 to 625 MHz.



US575-T \$125.00 ea.
Signal Stacking Device for 1 Satellite Position

- Stacks 2 polarities onto a single coaxial cable
- Power supply included
- Supplies LNB power (13V/18V)



D575 \$72.99 ea.
Signal Destacking Device

- Destacks signals that have been stacked by the US575-T
- Built in Off air diplexer

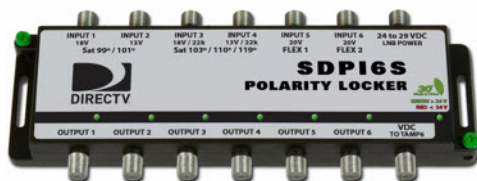


PS242000-A \$18.00 ea.

Regulated 24v 2A, switching short circuit protected, "F" female Out & F71. Transformer is separate from AC plug to reduce space occupied on outlet strips.

Six Line Satellite LNB Polarity Locker SD-PI6S-PI29

Call For
Pricing



The Sonora model SD-PI6S-PI29 six line LNB power inserter provides voltages and control signals to power and polarity lock up to six LNB lines. DC voltage indicator LEDs on the SD-PI6S-PI29 glow orange for 20 volts and green for 14 volts. A single unlit LED indicates a short circuit on the input. **PI-29Z Power supply sold separately.**

Six Line Satellite Amplifier TAMP6R03-PI29

Call For
Pricing



The TAMP6R03-PI29 is an Indoor 250 to 2150 MHz amplifier with automatic gain, adjustable output and selectable slope. The **TAMP6R03-PI29** provides an automatic gain controlled output that is user adjustable from **-16 dBm to -25 dBm @ 2150 MHz**. Slope is field selected to either **12 dB or 8 dB**. **PI-29Z Power supply sold separately.**



DTV6PWRPOL-02

Six line LNB polarity locker, 35 dB port to port isolation, requires PI-29Z power supply (sold separately), All ports DC passing toward ODU



Wideband Satellite Distribution Taps For Use Digital Loop Through SWM Modules

DREDUAL12R0-03	12 dB Tap
DREDUAL16R0-03	16 dB Tap
DREDUAL20R0-03	20 dB Tap

Seven Line LNB Trunk Taps

6 Satellite inputs (5-2150 MHz),
1 UHF/VHF input (5-1000 MHz)



DTV7TAPDB06-02	6 dB Tap
DTV7TAPDB09-02	9 dB Tap
DTV7TAPDB12-02	12 dB Tap
DTV7TAPDB16-02	16 dB Tap

Wideband Satellite Distribution Taps For Use With CDSWM13R0-01 Digital Loop Through SWM Modules



DRETAP6DB-02	6 dB Tap
DRETAP9DB-02	9 dB Tap
DRETAP12DB-02	12 dB Tap
DRETAP16DB-02	16 dB Tap
DRETAP20DB-02	20 dB Tap

PI-29Z Call For Pricing

Power Supply with integrated power inserter for powering a single SWM-8, SWM-16 or CDSWM13R0-01, DSWM-30, DSWM-30HP, TAMP6R03-PI29, SD-PI6S-PI29 or DTV6PWRPOL-02



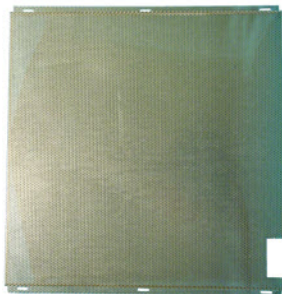
Wideband Satellite Distribution Taps For Use With CDSWM13R0-01 Digital Loop Through SWM Modules

DRETAP6R0-03	6 dB Tap
DRETAP9R0-03	9 dB Tap
DRETAP12R0-03	12 dB Tap
DRETAP16R0-03	16 dB Tap
DRETAP20R0-03	20 dB Tap



CT-MBP22X22 \$79.99 ea.

Mesh back plate. Perfect for use with or without the CT-LB242411GY box. Stands off wall to allow ventilation behind electronics. 22" x 22"



Four Line Satellite Distribution Taps

SD-MST406	6 dB Tap Loss
SD-MST409	9 dB Tap Loss
SD-MST412	12 dB Tap Loss
SD-MST416	16 dB Tap Loss

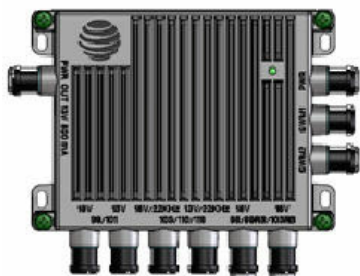
\$27.99



DIRECTV® MFH2™ Single Wire Satellite Distribution System

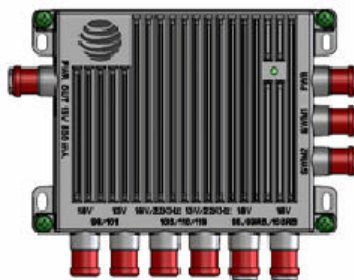
DSWM-30

SWM Module for up to 26 Tuners, Standard Output version for properties with home run wiring, Each of the two outputs is capable of supplying Signal to 13 tuners.



DSWM-30HP

SWM Module for up to 26 Tuners, High Output version for properties with loop through wiring. Each of the two outputs is capable of supplying Signal to 13 tuners.



Features:

- Holds up to 4 DSWM-30
- Six Satellite Inputs
- Two power inputs (from PI-29Z)
- Four power outputs (to DSWM-30)
- Four ground lugs
- Wall mountable
- Unused ports are auto terminated
- Requires 1 PI-29Z power supply for every two modules
- Will not power the LNB, external polarity locker is required
- Not compatible with legacy SWM-8/16/32 units
- For indoor use

SWM-EXPNDR-P-R0-09

SWM Expander Module to Hold Up to 4 DSWM-30



BBDECA-USB

The BBDECA-USB DIRECTV Ethernet Coax Adapter transfers IP packets between Ethernet (RJ-45/Cat5) and a DIRECTV Connected Home network (coaxial cable). The BBDECA-USB can be powered via USB or with a separate power supply model H25 POWER SUPPLY REP (This is the same power supply that is used to power the H25 receiver).



BBDECA-GIG-E

The BBDECA-GIG-E DIRECTV Ethernet to coax adapter is compatible with MoCa 2.0 and capable of up to 970 Mbps. It can be powered with the H25 POWER SUPPLY REP power supply or PoE network switch (both sold separately), integrated flanges for easy wall mounting.



SWS-2WBMC-HORZ

2 Way Splitter for SWM/MFH2
2-2,150 MHz, 1 Leg Power Passing
Color Coded Power Pass Ports



SWS-4WBMC-HORZ

4 Way Splitter for SWM/MFH2
2-2,150 MHz, 1 Leg Power Passing
Color Coded Power Pass Ports



SWS-8WBMC-VERT

MFH2 Approved 8 Way Splitter
2-2,150 MHz, 1 Leg Power Passing
Color Coded Power Pass Ports



MSAT-2 \$2.95

2 Way Splitter for SWM/MFH2
2-2,150 MHz, 1 Leg Power Passing
Color Coded Power Pass Ports



MSAT-4 \$4.89

4 Way Splitter for SWM/MFH2
2-2,150 MHz, 1 Leg Power Passing
Color Coded Power Pass Ports



STD-9501M

SWM Compatible satellite/
off air diplexer



DTV-DIPLEXER1-09

Satellite Diplexer Supports G Fast
Services. Used to combine and
separate broadband or antenna signal
and SWM signals.



DTV-WD-DIPLEXER09

Satellite Diplexer Specifically for
Combining 95 Degree World Direct
service with DIRECTV KA reverse
band satellite services.



DTV-DIPLEXERR0-09

Satellite Diplexer Specifically for use
in combining BBDECA2 adapters with
CDSWM13R0-01 loop through SWM
outputs



CTPS-24V \$19.79

Switching Mode 24V power supply, 2.1mm
DC Jack for powering up to two SWM-8
when installed in an FMC-6M, SWM-E2 or
SWM-E4. Also provides primary power for
SWM-32 modules.



CTPS-20V \$17.99

Switching Mode 20V Power Supply, 2.5mm
DC Jack for powering models PI-6S, SA-6A,
SA-6AL, MST-771 & MST-774. Also
provides LNB power when used with a
SWM-32 module.



WB68

Ka/Ku Wideband 6 x 8
Satellite Multiswitch



PI-21

Power Insert for
SWM Style LNB



BSFMDR01-01 Band Stop Filter



SUP-2400

B-Band Converter For DIRECTV
High Definition Receivers

NACE MSO Your Master System Operator

For Lodging & Institution and Commercial Properties

Special Offers For New NACE System Operators

Commissions Paid For Managed
Internet & TV Content Solutions

Advantages Offered by NACE MSO:

- No minimum activation requirements
- 24 Hours / Day, 7 Days / Week, 365 Days / Year administrative support
- 24 Hours / Day, 7 Days / Week, 365 Days / Year technical support
- Co-op marketing funds available for NACE System Operators
- Marketing programs available to market your business
- Training & support for running a DIRECTV business model
- Equipment financing options
- Three fully stocked warehouses across the country
- Three assembly labs nationwide for fast delivery
- System design assistance with itemized quotations & parts lists
- Best practices advice on running your business

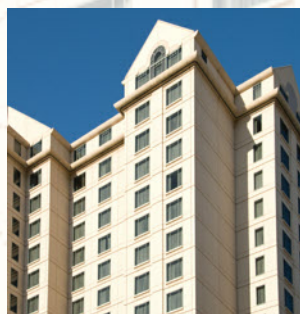


DIRECTV® Receiver Buydown Program

Ask About Our Receiver Buydown Program Now Available For



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Systems**

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Programming Support**

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Satellite
Distribution

Satellite Receivers & Accessories



H25

HDTV Satellite Receiver With
DRE Software Capabilities



H24

HDTV Satellite Receiver



HR24

HD DVR Satellite Receiver

Please specify video cable and remote type required when ordering DIRECTV receivers

Cable Options: HDMI, Component or Composite

Remote Options: RF or Infrared



Clearance!
\$7.99 ea.

CT-D12-MP \$19.99 ea.

Power wiring harness for up to
8 DIRECTV D12 satellite receivers.



DIRECTV D12 PC

Replacement Power Cord For
DIRECTV D12 Satellite Receiver



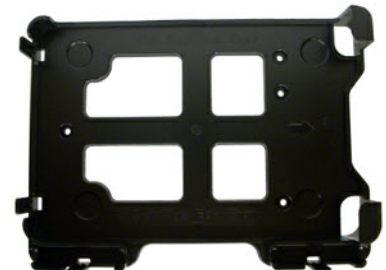
H25RFR0-19

RF Remote Dongle To Add RF Remote
Control Capabilities To DIRECTV H25
Receivers (RF Remote Control Sold
Separately)

DIRECTV Advanced Installation Meter AIM01R2-12

Features:

- DIRECTV Advanced Installation Meter version 1.5 for installation of DIRECTV satellite dish systems
- Point and lock all DIRECTV dishes/LNBs
- 10.5V 4.4Ah lithium ion rechargeable battery
- 250 - 2150 MHz
- 75 Ohm
- 13/18 Volt LNB power supply
- 21 Volt SWiM power supply
- Includes carrying case and power adapter accessories
- Recommended for all DRE DIRECTV Residential Experience installations



H25MOUNT

Plastic mount for H25 Receiver
Convenient for mounting H25
receivers to Walls, television mounts,
televisions, cabinets, dressers etc.



.DTV RF REMOTE

Remote control for DIRECTV receivers.
RF and IR Compatible

Satellite Dish Installation Materials



SL5KRBR0-01

Five LNB head, with reverse band, receives 99/101/103/110/119 degree satellites four line (non-SWM) output



SL3

Three LNB head, receives 99/101/103 degree satellites, four line (non-SWM) output



SLSP-F

5 Position Slimline satellite dish, includes back assembly, reflector, mast, base, 1 short & 1 long monopole support, LNB not included



SL5S

Five LNB head, receives 99/101/103/110/119 degree satellites, single wire (SWM style) output, 8 tuner support, requires PI-21 power supply



3D2RBLNB-SWM3

Three LNB head, with reverse band, receives 99/101/103 degree satellites, single wire (SWM style) output, 13 tuner support, requires PI-21 power supply



5D2RBLNBR0-01SWM5

Five LNB head, with reverse band, receives 99/101/103/110/119 degree satellites, single wire (SWM style) output, 13 tuner support, requires PI-21 power supply



HSSLNGRFKIT

Heater kit for SLSP-F Dish

HS14ARM

Heater for SLSP-F LNB arm (must be used with HSSLNGRFKIT)



36REFRO

36" Reflector kit for DIRECTV 95 Degree and 101 Degree Satellite Positions Includes 36" reflector, Az/EI mount, back frame, feed support arms, feed support elbow

DTV36LNB

LNB and KU LNB assembly for DIRECTV 95 degree satellite position

PM-LNBF-D/D

Dual output circular polarized LNB for DIRECTV 101 degree satellite position

SLMTSTD4R1

Mast & base for 36REFRO with monopole braces (1 short, 1 long)



**International Dish
for 95W & 101W**

Satellite Dish Installation Materials

NPR-6B

Non Penetrating Roof Mount For DIRECTV Dishes. Includes reversible mast to accommodate 1.75" OD & 2.0" OD azel caps. Capable of minor mast adjustment pitch from 2 degrees positive to 10 degrees negative.



NPR-8A

Non Penetrating Roof Mount For DIRECTV Dishes Pre-drilled holes to match DIRECTV dish foot patterns & support braces, No masting required.



FRMMAT

Rubber mat for non pen mounts 42" x 36" x 0.08"

LOPROMNTR0

Low profile mount for SLSP-F dishes



CT-TETHER-50

Tethering kit for satellite dish and mounting equipment, Includes 50 feet of coated steel cable and four steel U-Bolt clamps.



PM-LNBF-D/D

Dual output circular polarized LNB for DIRECTV 101 degree satellite position



DS-2177

32" (76cm) Single position satellite dish. Features D-Tube adapter kit to hold either D-Tube LNBs or standard rectangular tube LNBs.



DIRECTV 1.2 Meter Dishes

DTVAH12DISH 1.2 Meter Reflector

DTVAH12AZEL

Azel Cap for 1.2 Meter Reflector

DTVAHKAKUKIT-P

LNB Kit for 99, 101 & 103 Satellite Positions

DTVAH1019KIT

LNB Kit for 110 & 119 Satellite Positions

DTVAHNONPEN

Non penetrating roof mount for 1.2 Meter Dish

DTVAHWALLMNT

Wall Mount for 1.2 Meter Dish

Channel Master 1 Meter Dishes & Mounts



621000050

1 Meter dish with LNB support legs, 2 3/8" AZ/EL cap & LNBF adapter kit

611617402

Non penetrating roof mount with 2 3/8" pipe and mat

610022002

Wall / roof mount with 2 3/8" pipe

Now You Can Run Your Network Nodes Over 100 Meters!



...communicating at the speed of light

Features:

- Conforms to IEEE 802.3 10 Base-T standard & to IEEE 802.3u 100 Base-TX/FX standard
- 2M Maximum buffer memory built in
- Back pressure flow control for full duplex IEEE802.3 X and half duplex.
- Automatic identification of MDI/MDI-X cross line
- High-performance 1.4Gbps memory bandwidth
- Conforms to safety codes of FCC & 15 CLASS A and CE MARK

Description:

The Fibertronix FT-FOMC-10/100M series of fiber optic media converters are the perfect solution for long distance transmission of 10/100 Mbps data ethernet signals. The units have been designed to automatically detect a 10 Mbps or 100 Mbps ethernet data rate. Units are available for both Multi-Mode and Single-Mode fiber optic cables with transmission distances of up to 1.25 miles over Multi-Mode and 12.5 miles over Single-Mode. Front panel LED lights allow the user to identify the working status of the link to easily complete an installation.

Ordering Information:

FT-FOMC-1-10/100-S	Single Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex	\$199.00 / Pair
FT-FOMC-1-10/100-M	Multi Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex	\$189.00 / Pair
FT-FOMC-2-100M-SC-S	Single Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex	\$149.00 / Pair
FT-FOMC-2-100M-SC-M	Multi Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex	\$139.00 / Pair

10/100M Fiber Optic IP Network Extenders



...communicating at the speed of light

Features:

- Conforms to IEEE 802.3z and IEEE 802.3AB standards
- 256K Data buffer
- Back pressure flow control for full duplex IEEE802.3 X and half duplex.
- Automatic identification of MDI/MDI-X cross line
- 4K MAC Address table

Description:

The Fibertronix FT-FOMC-10/100/1000 series of fiber optic media converters are the perfect solution for long distance transmission of 10/100/1000 Mbps data ethernet signals. The units have been designed to automatically detect a 10 Mbps, 100 Mbps or 1,000 Mbps ethernet data rate. Units are available for both Multi-Mode and Single-Mode fiber optic cables with transmission distances of up to 1,800 feet over Multi-Mode and 12.5 miles over Single-Mode fiber optic cable. Front panel LED lights allow the user to identify the working status of the link to easily complete an installation.

Ordering Information:

FT-FOMC-1-100/1000-S	Single Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex	\$399.00 / Pair
FT-FOMC-1-100/1000-M	Multi Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex	\$439.00 / Pair
FT-FOMC-2-100/1000-S	Single Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex	\$399.00 / Pair
FT-FOMC-2-100/1000-M	Multi Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex	\$399.00 / Pair

10/100/1000M Fiber Optic IP Network Extenders



Features:

- Wavelength: 1310nm, Single-Mode
- 47-860 MHz
- Front panel controls
- Requires 12 - 22 dBmV
- Front panel lock out
- SC/APC or FC/APC Output (specify)
- 6 dB or 10 dB output lasers available
- -20 dB RF test point
- 19" Rack mountable housing

Description:

The FT-FTX series is a state of the art series of rack mountable fiber optic transmitters designed for the fiber optic distribution of broadband RF signals. These units accept a flat RF signal from 47-860 MHz and transmit out over single-mode fiber at 1310nm. The series has models with output levels of 6 dB or 10 dB and is available with either SC/APC or FC/APC fiber optic connectors. The FT-FTX series feature a high linearity DFB laser and an advanced pre-distortion feature providing a high level of reliability with low power, low noise, a high output level and excellent performance to price ratio. Unique thermal design provides superior heat dissipation, increasing the reliability of each system. The automatic gain control helps maintain a constant RF drive level to the laser for consistent performance. An interface LCD display allows the user to easily monitor the transmitter's performance. A convenient -20dBmV test point is located on the rear panel to enable input signal testing without service interruption.

Ordering Information:

FT-FTX-6-SCAPC	Fiber optic transmitter, 6 dB, SC/APC output connection
FT-FTX-10-SCAPC	Fiber optic transmitter, 10 dB, SC/APC output connection
FT-FTX-10-FCAPC	Fiber optic transmitter, 10 dB, FC/APC output connection
FT-FTX-PS2-RDN	Redundant power supply for FT-FTX series transmitters

Contents Include:

- 1 Fiber optic transmitter
- 1 Power cord
- 1 Instruction manual



Features:

- Dual RF Outputs
- Wavelength: 1200 - 1600nm
- 47-860 MHz Forward Path Receiver
- Front panel input signal level display
- Wide optical input range -8dBm to +2dBm
- Complies with SCTE HMS and IEC network management standards
- -20 dB RF test point
- 19" Rack mountable housing

Description:

The FT-FRXID-RM-SCAPC is a state of the art rack mountable fiber optic receiver designed for indoor receive only fiber optic applications. With a receive frequency range of 47 to 860 MHz, this unit offers flexibility in operation and maintenance. The unit provides a high level of reliability with low power, low noise, a high output level and excellent performance to price ratio. The automatic gain control (AGC) range is +1dBm to -6dBm providing a stable output level that remains within 0.5 dB. The FT-FRXID-RM-SCAPC has two RF outputs with an output level of 35 dBmV. The unit is contained in a rugged single rack space housing that is 19" rack mountable. A convenient -20dBmV test point is located on the front panel along with a digital input signal level display and equalization and attenuation controls. The back panel has an optical input along with two F connectors for the RF output.

Ordering Information:

FT-FRXID-RM-SCAPC	Dual Output fiber optic receiver with SC/APC fiber input
-------------------	--

Contents Include:

- 1 Fiber optic receiver
- 1 Power cord



FT-HHRX-870-1- FTTH Mini Optical Node

Features:

- Wavelength: 1200 - 1600nm
- 54-870 MHz Forward Path Receiver
- 5-42 MHz Reverse Path Transmitter
- Wide optical input range -8dBm to +2dBm
- pHEMT GaAs FET Technology
- Forward and reverse RF test points
- Local or remote power supply
- Die-cast aluminum housing
- Excellent heat dissipation



Description:

The FT-HHRX-870-1 series is a state of the art fiber node designed for FTTH applications. With a receive frequency range of 54 to 870 MHz, these units offer flexibility in operation and maintenance. GaAs FET technology provides low distortion and a flexible input level. Featuring low power consumption and surge protected design the FT-HHRX-870-1 series is perfect for commercial and residential applications. This series features an integrated return path transmitter with a reverse frequency range of 5-42 MHz. The automatic gain control (AGC) function has been specially designed to simplify installation and network maintenance by compensating for changes optical input power. The unit provides a stable RF output level when fed with with input levels between -8dBm and +2dBm.

Ordering Information:

FT-HHRX-870-1-SCAPC	Fiber optic receiver with SC/APC fiber input
FT-HHRX-870-1-FCAPC	Fiber optic receiver with FC/APC fiber input

Contents Include:

- 1 Fiber optic node
- 1 Power supply

FT-HHRX-1000-SC-MINI FTTH Mini Optical Node

Features:

- Wavelength: 1200 - 1600nm
- 47-1000 MHz Forward Path Receiver
- Wide optical input range -8dBm to +2dBm
- Low-noise GaAs chip, excellent non-linear distortion performance
- Low power consumption: <1W
- External high-quality power adapter
- Single Mode Fiber, SC/APC Connection



Description:

The FT-HHRX-1000-SC-MINI is a state of the art fiber node with a receive frequency range of 47 to 1000 MHz. These units offer flexibility in operation and maintenance with GaAs chip technology which provides low distortion and a flexible input level. Featuring low power consumption the FT-HHRX-1000-SC-MINI is perfect for commercial and residential applications. The unit provides a stable RF output level when fed with with input levels between -8dBm and +2dBm.

L-Band Satellite Transmission Over Fiber Optic Cable

Features:

- 6 Expanded L-band frequency inputs
- Plug & play deployment
- Point-to-multi-point architecture
- Compatible with Foxcom AL6R receiver
- Operating Frequency Range: 200-2400 MHz
- Minimum RF Input Power: -50dBm
- Maximum RF Input Power: -20dBm
- Optical Output Power: +3dBm
- Optical Output Connector Type: SC/APC



Description:

The AL6T-66-CWDM transmits multiple satellite TV signals to multiple locations over a single optical fiber. This compact solution, which boasts 6 expanded L-band (200-2400MHz) inputs, is capable of supporting a variety of satellite television platforms. This transmitter is equipped with 6 dedicated DFB lasers to ensure stability and integrity of the signal. The internal multiplexer enables the installer to deliver all 6 L-band signals over a single fiber. The transmitter is designed to be used with a Foxcom optical splitter in point-to-multi-point applications. Depending on design requirements, the AL6T-66-CWDM can be used with the AL6R-66-CWDM.

Ordering Information:

AL6T-66-CWDM	5 Input L-Band Fiber Transmitter with internal CWDM, single fiber output (transmitter only)
AL6T-66-CWL-8K	8 Output transmitter kit, includes 1 AL6T-66-CWDM, 1 Fiber jumper, 1 1x8 fiber splitter & 1 4 slot LGX style housing
AL6T-66-CWL-16K	16 Output transmitter kit, includes 1 AL6T-66-CWDM, 1 Fiber jumper, 1 1x16 fiber splitter & 1 4 slot LGX style housing
AL6T-66-CWL-32K	32 Output transmitter kit, includes 1 AL6T-66-CWDM, 1 Fiber jumper, 1 1x32 fiber splitter & 1 4 slot LGX style housing

Features:

- 6 Expanded L-band frequency inputs
- Single SC/APC input
- Six F-type outputs
- Stand-alone housing
- Plug & Play deployment
- Maximum Input Power: -8dBm
- Minimum Input Power: -16Dbm
- Optical Input Connector Type: SC/APC



Description:

The Foxcom compact AL6R-66-CWDM receiver converts incoming signals from Foxcom's optical AL6T-66-CWDM transmitter into 6 RF outputs. This cost-effective solution boasts a large optical input window and linear performance, enabling it to distribute up to 6 high-quality, L-Band (200-2400MHz) TV signals. The receiver is designed with internal CWDM to provide optimum, quality satellite TV signals in point-to-multi-point applications. Optical connectors are provided for data communication using 1310 and 1490nm. The AL6R-66-CWDM compact design and low power consumption enables it to be easily integrated into many distribution environments.

Ordering Information:

AL6R-66-CWDM	6 Output L-Band Fiber Receiver with internal CWDM, single fiber input
--------------	---

AL6T-1-CWDM Features

- 1 Expanded L-band frequency input
- Stand-alone housing
- Low power consumption
- AGC circuitry
- Compatible with Foxcom's AL5R/AL6R-1 receivers
- Minimum RF Input Power: -50dBm
- Maximum RF Input Power: -20dBm
- Optical Output Power: +3dBm
- Optical Output Connector Type: SC/APC



AL6R-1-CWDM Features

- 1 Expanded L-band frequency input
- Stand-alone housing
- Low power consumption
- AGC circuitry
- Compatible with Foxcom's AL5T/AL6T-1 transmitters
- Maximum Input Power: -8dBm
- Minimum Input Power: -16Dbm
- Optical Input Connector Type: SC/APC



Baseband Video Transmitter And Receiver Series

Features:

- Video over one strand of Single-Mode fiber
- BNC Video connections
- ST Fiber connections
- 8 Bit digital video transmission
- High speed synchronization with digital transmission technology
- Wide optic dynamic range, no adjustments required
- LCD Indicators for power, optic, video
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Each package includes transmitter & receiver



Compact Single Channel Baseband Video

FT-FOTR-1V-ST-S-M Single Baseband Video transmitter & receiver **\$140.40**

Compact Single Channel Baseband Video with Reverse Data for PTZ Camera Control

FT-FOTR-1VD-ST-S-M Single Baseband Video transmitter & receiver with RS485, RS422 or RS232 **\$165.60**

Baseband Video Over Fiber

FT-FOTR-1V-ST-S	Single Baseband Video transmitter & receiver	\$165.60
FT-FOTR-2V-ST-S	Dual Baseband Video transmitter & receiver	\$230.40
FT-FOTR-8V-FC-S	Eight Input Baseband Video transmitter & receiver (with FC fiber connections)	\$446.40

Baseband Video with Reverse Data for PTZ Camera Control

FT-FOTR-1VD-ST-S	Single Baseband Video transmitter & receiver with RS485, RS422 or RS232	\$194.40
FT-FOTR-2VD-ST-S	Dual Baseband Video transmitter & receiver with RS485, RS422 or RS232	\$273.60
FT-FOTR-4VD-ST-S	Quad Baseband Video transmitter & receiver with RS485, RS422 or RS232	\$320.40

Baseband Video with Reverse Data Transmission and Ethernet Transmission

FT-FOTR-1VDE-ST-S	Single Baseband Video transmitter & receiver with RS485, RS422 or RS232 & ethernet	\$320.40
FT-FOTR-2VDE-ST-S	Dual Baseband Video transmitter & receiver with RS485, RS422 or RS232 & ethernet	\$363.60
FT-FOTR-4VDE-ST-S	Quad Baseband Video transmitter & receiver with RS485, RS422 or RS232 & ethernet	\$428.40
FT-FOTR-8VDE-ST-S	Eight Input Baseband Video transmitter & receiver with RS485, RS422 or RS232 & ethernet	\$662.40

Baseband Video with Bi-Directional Multi-Protocol Data Transmission

FT-FOTRHQ-1VD-ST-S Single Baseband Video transmitter & receiver with Bi-Directional Multi-Protocol Data **\$504.00**

Baseband Video with Two Channels of Bi-Directional Multi-Protocol Data Transmission

FT-FOTRHQ-8V2D-ST-S Eight Input Baseband with two channels of Bi-Directional Multi-Protocol Data **\$1,198.80**

19" Rack Mountable Fiber Optic Splitters

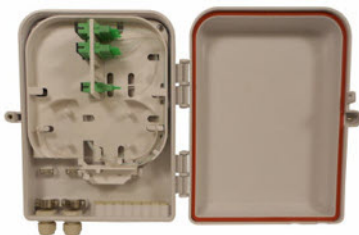
FT-RMSME-1X2-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 2	\$114.60
FT-RMSME-1X4-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 4	\$122.10
FT-RMSME-1X8-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 8	\$137.10
FT-RMSME-1X16-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 16	\$205.50
FT-RMSME-1X2-LCAPC	PLC-Splitter-Rack-Mountable 19", LC/APC, SM, 1 x 2	\$120.00
FT-RMSME-1X4-LCAPC	PLC-Splitter-Rack-Mountable 19", LC/APC, SM, 1 x 4	\$129.00
FT-RMSME-1X2-FC	PLC-Splitter-Rack-Mountable 19", FC, SM, 1 x 2	\$114.60
FT-RMSME-1X4-FC	PLC-Splitter-Rack-Mountable 19", FC, SM, 1 x 4	\$122.10
FT-RMSME-1X2-ST	PLC-Splitter-Rack-Mountable 19", ST, SM, 1 x 2	\$114.60
FT-RMSME-1X4-ST	PLC-Splitter-Rack-Mountable 19", ST, SM, 1 x 4	\$122.10



Fiber Optic Splitters, Box Modules

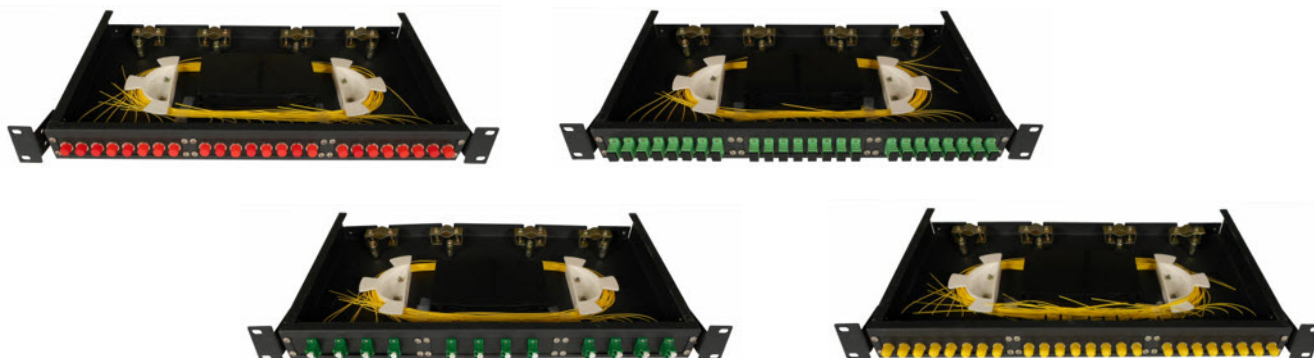
FT-SBMSE-1X2-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 2, 1.5M (With connector)	\$73.50
FT-SBMSE-1X4-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 4, 1.5M (With connector)	\$79.50
FT-SBMSE-1X8-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 8, 1.5M (With connector)	\$93.00
FT-SBMSE-1X16-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 16, 1.5M (With connector)	\$156.00
FT-SBMSE-1X2-LCAPC	PLC-Splitter-Box Module, LC/APC, SM, 1 x 2, 1.5M (With connector)	\$75.00
FT-SBMSE-1X4-LCAPC	PLC-Splitter-Box Module, LC/APC, SM, 1 x 4, 1.5M (With connector)	\$81.00
FT-SBMSE-1X2-FC	PLC-Splitter-Box Module, FC, SM, 1 x 2, 1.5M (With connector)	\$72.00
FT-SBMSE-1X4-FC	PLC-Splitter-Box Module, FC, SM, 1 x 4, 1.5M (With connector)	\$78.00
FT-SBMSE-1X2-ST	PLC-Splitter-Box Module, ST, SM, 1 x 2, 1.5M (With connector)	\$72.00
FT-SBMSE-1X4-ST	PLC-Splitter-Box Module, ST, SM, 1 x 4, 1.5M (With connector)	\$78.00
FT-SBMSE-1X2-SC	PLC-Splitter-Box Module, SC, SM, 1 x 2, 1.5M (With connector)	\$72.00
FT-SBMSE-1X4-SC	PLC-Splitter-Box Module, SC, SM, 1 x 4, 1.5M (With connector)	\$78.00

Fiber Optic Splitters With Wall Box Enclosures



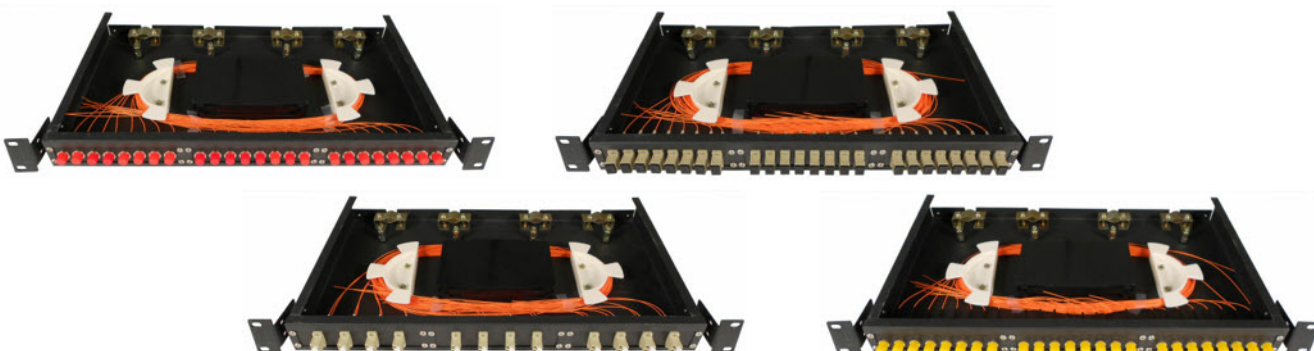
FT-SWBSME-1X2-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 2	\$143.70
FT-SWBSME-1X4-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 4	\$151.50
FT-SWBSME-1X8-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 8	\$166.50
FT-SWBSME-1X2-LCAPC	PLC-Splitter-Wall-Box, LC/APC, SM, 1 x 2	\$147.00
FT-SWBSME-1X4-LCAPC	PLC-Splitter-Wall-Box, LC/APC, SM, 1 x 4	\$156.00

Fiber Optic Patch Panels With Integrated Splice Tray



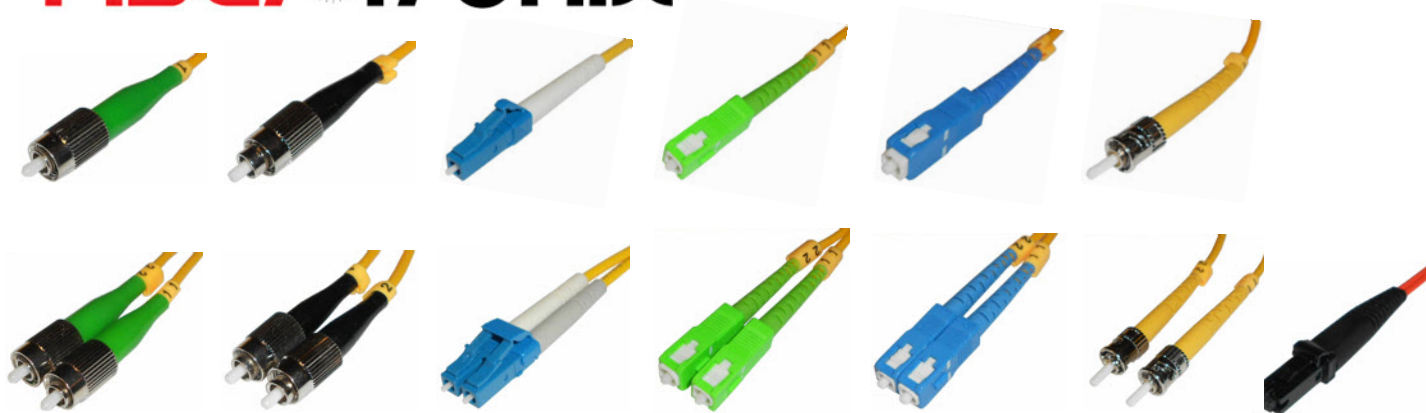
19" Rack Mountable Fiber Optic Patch Panels, 1 RU, Single-Mode

FT-PPRMSM-12-SCAPC	SC/APC 12 Port, SM Simplex, (with SC/APC SM Simplex Adapter & Pigtail x12)	\$84.63
FT-PPRMSM-24-SCAPC	SC/APC 24 Port, SM Simplex, (with SC/APC SM Simplex Adapter & Pigtail x24)	\$128.00
FT-PPRMSM-12-LCAPC	LC/APC 12 Port, SM Simplex, (with LC/APC SM Simplex Adapter & Pigtail x12)	\$95.00
FT-PPRMSM-24-LCAPC	LC/APC 24 Port, SM Simplex, (with LC/APC SM Simplex Adapter & Pigtail x24)	\$150.00
FT-PPRMSM-12-FC	FC 12 Port, SM Simplex, (with FC SM Simplex Adapter & Pigtail x12)	\$82.00
FT-PPRMSM-24-FC	FC 24 Port, SM Simplex, (with FC SM Simplex Adapter & Pigtail x24)	\$122.50
FT-PPRMSM-12-ST	ST 12 Port, SM Simplex, (with ST SM Simplex Adapter & Pigtail x12)	\$80.50
FT-PPRMSM-24-ST	ST 24 Port, SM Simplex, (with ST SM Simplex Adapter & Pigtail x24)	\$120.00



19" Rack Mountable Fiber Optic Patch Panels, 1 RU, Multi-Mode

FT-PPRMMM-12-SC	SC 12 Port, MM Simplex, (with SC MM Simplex Adapter & 50/125 Pigtail x12)	\$75.00
FT-PPRMMM-24-SC	SC 24 Port, MM Simplex, (with SC MM Simplex Adapter & 50/125 Pigtail x24)	\$109.00
FT-PPRMMM-12-LC	LC 12 Port, MM Simplex, (with LC MM Simplex Adapter & 50/125 Pigtail x12)	\$85.00
FT-PPRMMM-24-LC	LC 24 Port, MM Simplex, (with LC MM Simplex Adapter & 50/125 Pigtail x24)	\$129.50
FT-PPRMMM-12-FC	FC 12 Port, MM Simplex, (with FC MM Simplex Adapter & 50/125 Pigtail x12)	\$78.75
FT-PPRMMM-24-FC	FC 24 Port, MM Simplex, (with FC MM Simplex Adapter & 50/125 Pigtail x24)	\$115.00
FT-PPRMMM-12-ST	ST 12 Port, MM Simplex, (with ST MM Simplex Adapter & 50/125 Pigtail x12)	\$75.75
FT-PPRMMM-24-ST	ST 24 Port, MM Simplex, (with ST MM Simplex Adapter & 50/125 Pigtail x24)	\$110.50



FC/APC

FC/UPC

LC/UPC

SC/APC

SC/UPC

ST/UPC

MTRJ

Single-Mode, Simplex, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/APC - FC/APC	FT-SMJ-SX-FC/APC-1M \$4.16	FT-SMJ-SX-FC/APC-2M \$4.31	FT-SMJ-SX-FC/APC-5M \$4.77	FT-SMJ-SX-FC/APC-10M \$5.54
FC/UPC - FC/UPC	FT-SMJ-SX-FC/UPC-1M \$3.89	FT-SMJ-SX-FC/UPC-2M \$4.05	FT-SMJ-SX-FC/UPC-5M \$4.51	FT-SMJ-SX-FC/UPC-10M \$5.78
LC/UPC - LC/UPC	FT-SMJ-SX-LC/LC-1M \$4.39	FT-SMJ-SX-LC/LC-2M \$4.95	FT-SMJ-SX-LC/LC-5M \$4.99	FT-SMJ-SX-LC/LC-10M \$6.50
LC/UPC - SC/UPC	FT-SMJ-SX-LC/SC-1M \$4.73	FT-SMJ-SX-LC/SC-2M \$4.93	FT-SMJ-SX-LC/SC-5M \$5.50	FT-SMJ-SX-LC/SC-10M \$6.48
SC/APC - FC/APC	FT-SMJ-SX-SC/FCA-1M \$4.55	Not Available	FT-SMJ-SX-SC/FCA-5M \$5.25	FT-SMJ-SX-SC/FCA-10M \$6.19
SC/APC - SC/APC	FT-SMJ-SX-SC/APC-1M \$3.81	FT-SMJ-SX-SC/APC-2M \$3.96	FT-SMJ-SX-SC/APC-5M \$4.42	FT-SMJ-SX-SC/APC-10M \$5.19
SC/UPC - SC/UPC	FT-SMJ-SX-SC/UPC-1M \$3.76	FT-SMJ-SX-SC/UPC-2M \$3.92	FT-SMJ-SX-SC/UPC-5M \$4.38	FT-SMJ-SX-SC/UPC-10M \$5.15
SC/UPC - ST/UPC	FT-SMJ-SX-SC/ST-1M \$4.58	FT-SMJ-SX-SC/ST-2M \$4.75	FT-SMJ-SX-SC/ST-5M \$5.33	FT-SMJ-SX-SC/ST-10M \$6.30
ST/UPC - ST/UPC	FT-SMJ-SX-ST/UPC-1M \$3.54	FT-SMJ-SX-ST/UPC-2M \$3.70	FT-SMJ-SX-ST/UPC-5M \$4.16	FT-SMJ-SX-ST/UPC-10M \$4.93

Single-Mode, Duplex, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/APC - FC/APC	FT-SMJ-DX-FC/APC-1M \$8.32	FT-SMJ-DX-FC/APC-2M \$8.62	FT-SMJ-DX-FC/APC-5M \$9.55	FT-SMJ-DX-FC/APC-10M \$11.09
LC/UPC - LC/UPC	FT-SMJ-DX-LC/LC-1M \$16.85	FT-SMJ-DX-LC/LC-2M \$17.90	FT-SMJ-DX-LC/LC-5M \$18.25	FT-SMJ-DX-LC/LC-10M \$21.25
LC/UPC - SC/UPC	FT-SMJ-DX-LC/SC-1M \$9.45	FT-SMJ-DX-LC/SC-2M \$9.85	FT-SMJ-DX-LC/SC-5M \$11.00	FT-SMJ-DX-LC/SC-10M \$12.95
LC/UPC - ST/UPC	FT-SMJ-DX-LC/ST-1M \$9.20	FT-SMJ-DX-LC/ST-2M \$9.55	FT-SMJ-DX-LC/ST-5M \$10.75	FT-SMJ-DX-LC/ST-10M \$12.65
SC/APC - SC/APC	FT-SMJ-DX-SC/APC-1M \$7.61	FT-SMJ-DX-SC/APC-2M \$7.92	FT-SMJ-DX-SC/APC-5M \$8.84	FT-SMJ-DX-SC/APC-10M \$10.38
SC/UPC - SC/UPC	FT-SMJ-DX-SC/UPC-1M \$7.52	FT-SMJ-DX-SC/UPC-2M \$7.83	FT-SMJ-DX-SC/UPC-5M \$8.76	FT-SMJ-DX-SC/UPC-10M \$10.30
SC/UPC - ST/UPC	FT-SMJ-DX-SC/ST-1M \$9.15	FT-SMJ-DX-SC/ST-2M \$9.50	FT-SMJ-DX-SC/ST-5M \$10.65	FT-SMJ-DX-SC/ST-10M \$12.60

Multi-Mode, Duplex, 50/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
LC/UPC - LC/UPC	FT-MMJ5-DX-LC/LC-1M \$8.20	FT-MMJ5-DX-LC/LC-2M \$8.80	FT-MMJ5-DX-LC/LC-5M \$10.60	FT-MMJ5-DX-LC/LC-10M \$13.65
LC/UPC - SC/UPC	FT-MMJ5-DX-LC/SC-1M \$8.35	FT-MMJ5-DX-LC/SC-2M \$8.95	FT-MMJ5-DX-LC/SC-5M \$10.80	FT-MMJ5-DX-LC/SC-10M \$13.80
SC/UPC - SC/UPC	FT-MMJ5-DX-SC/UPC-1M \$6.78	FT-MMJ5-DX-SC/UPC-2M \$7.22	FT-MMJ5-DX-SC/UPC-5M \$8.54	FT-MMJ5-DX-SC/UPC-10M \$10.74
SC/UPC - ST/UPC	FT-MMJ5-DX-SC/ST-1M \$8.25	FT-MMJ5-DX-SC/ST-2M \$8.85	FT-MMJ5-DX-SC/ST-5M \$10.65	FT-MMJ5-DX-SC/ST-10M \$13.70
ST/UPC - ST/UPC	FT-MMJ5-DX-ST/UPC-1M \$6.34	FT-MMJ5-DX-ST/UPC-2M \$6.78	FT-MMJ5-DX-ST/UPC-5M \$8.10	FT-MMJ5-DX-ST/UPC-10M \$10.30

Multi-Mode, Duplex, 62.5/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
LC/UPC - LC/UPC	FT-MMJ6-DX-LC/LC-1M \$14.75	FT-MMJ6-DX-LC/LC-2M \$15.80	FT-MMJ6-DX-LC/LC-5M \$16.95	FT-MMJ6-DX-LC/LC-10M \$19.65
LC/UPC - SC/UPC	FT-MMJ6-DX-LC/SC-1M \$8.35	FT-MMJ6-DX-LC/SC-2M \$8.95	FT-MMJ6-DX-LC/SC-5M \$10.80	FT-MMJ6-DX-LC/SC-10M \$13.80
LC/UPC - ST/UPC	FT-MMJ6-DX-LC/ST-1M \$8.10	FT-MMJ6-DX-LC/ST-2M \$8.70	FT-MMJ6-DX-LC/ST-5M \$10.50	FT-MMJ6-DX-LC/ST-10M \$13.55
ST/UPC - ST/UPC	FT-MMJ6-DX-ST/UPC-1M \$6.34	FT-MMJ6-DX-ST/UPC-2M \$6.78	FT-MMJ6-DX-ST/UPC-5M \$8.10	FT-MMJ6-DX-ST/UPC-10M \$10.30

Multi-Mode, Duplex, 50/125 Micron, 10Gb LOMMF Aqua Fiber, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
LC/UPC - LC/UPC	FT-MMJ5A-DX-LC/LC-1M \$9.55	FT-MMJ5A-DX-LC/LC-2M \$10.80	FT-MMJ5A-DX-LC/LC-5M \$14.40	FT-MMJ5A-DX-LC/LC-10 \$20.45
LC/UPC - SC/UPC	FT-MMJ5A-DX-LC/SC-1M \$9.75	FT-MMJ5A-DX-LC/SC-2M \$10.95	FT-MMJ5A-DX-LC/SC-5M \$14.60	FT-MMJ5A-DX-LC/SC-10 \$20.65
SC/UPC - SC/UPC	FT-MMJ5A-DX-SC/SC-1M \$9.90	FT-MMJ5A-DX-SC/SC-2M \$11.10	FT-MMJ5A-DX-SC/SC-5M \$14.75	FT-MMJ5A-DX-SC/SC-10 \$20.80
ST/UPC - ST/UPC	FT-MMJ5A-DX-ST/ST-1M \$9.35	FT-MMJ5A-DX-ST/ST-2M \$10.55	FT-MMJ5A-DX-ST/ST-5M \$14.20	FT-MMJ5A-DX-ST/ST-10 \$20.25



Pre-Terminated Long Fiber Optic Cables

Single-Mode, Simplex, SC/APC Connections

FT-SMJ-SX-SC/APC-50M	Single-Mode, Simplex, 3.0mm Core Diameter, SC/APC to SC/APC, 50 Meter	\$20.64
FT-SMJ-SX-SC/APC-100	Single-Mode, Simplex, 3.0mm Core Diameter, SC/APC to SC/APC, 100 Meter	\$34.64
FT-SMJ-SX-SC/APC-200	Single-Mode, Simplex, 3.0mm Core Diameter, SC/APC to SC/APC, 200 Meter	\$62.64

Single-Mode, Duplex, SC/APC Connections

FT-SMJ-DX-SC/APC-50M	Single-Mode, Duplex, 3.0mm Core Diameter, SC/APC to SC/APC, 50 Meter	\$41.28
FT-SMJ-DX-SC/APC-100	Single-Mode, Duplex, 3.0mm Core Diameter, SC/APC to SC/APC, 100 Meter	\$69.28
FT-SMJ-DX-SC/APC-200	Single-Mode, Duplex, 3.0mm Core Diameter, SC/APC to SC/APC, 200 Meter	\$125.28

Single-Mode, Simplex, SC/UPC Connections

FT-SMJ-SX-SC/UPC-50M	Single-Mode, Simplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 50 Meter	\$20.64
FT-SMJ-SX-SC/UPC-100	Single-Mode, Simplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 100 Meter	\$34.64
FT-SMJ-SX-SC/UPC-200	Single-Mode, Simplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 200 Meter	\$62.64

Single-Mode, Duplex, SC/UPC Connections

FT-SMJ-DX-SC/UPC-50M	Single-Mode, Duplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 50 Meter	\$41.28
FT-SMJ-DX-SC/UPC-100	Single-Mode, Duplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 100 Meter	\$69.28
FT-SMJ-DX-SC/UPC-200	Single-Mode, Duplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 200 Meter	\$125.28

Single-Mode, Duplex, LC/UPC Connections

FT-SMJ-DX-LC/UPC-30M	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 30 Meter	\$22.95
FT-SMJ-DX-LC/UPC-100	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 100 Meter	\$69.20
FT-SMJ-DX-LC/UPC-200	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 200 Meter	\$125.20
FT-SMJ-DX-LC/UPC-300	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 300 Meter	\$181.20

Single-Mode, Duplex, ST/UPC Connections

FT-SMJ-DX-ST/UPC-100	Single-Mode, Duplex, 3.0mm Core Diameter, ST/UPC to ST/UPC, 100 Meter	\$37.58
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Multi-Mode, Simplex, SC/UPC Connections

FT-MMJ6-SX-SC/UPC-50M	Multi-Mode, Simplex, 62.5/125 Micron, 3.0mm Core Diameter, 50 Meter	\$15.27
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Multi-Mode, Duplex, SC/UPC Connections

FT-MMJ6-DX-SC/UPC-50M	Multi-Mode, Duplex, 62.5/125 Micron, 3.0mm Core Diameter, 50 Meter	\$28.34
FT-MMJ6-DX-SCUPC-100M	Multi-Mode, Duplex, 62.5/125 Micron, 3.0mm Core Diameter, 100 Meter	\$50.34

**Specialty Fiber Jumpers Made to Meet Your Individual Specifications Also Available.
Contact One of Our Sales Engineers For More Information.**

Fiber Optic Adapters



FT-FC/APC



FT-SC/APC



FT-ST



FT-FC/PC-SC/PC



FT-FC/PC-ST/PC



FT-FC/UPC-LC/UPC



FT-SC/PC-ST/PC



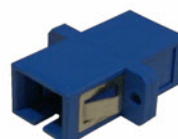
FT-LC/UPC-LC/UPC



FT-LC/APC-LC/UPC



FT-FC/PC



FT-SC/PC



FT-FC/APC-LC/APC

FT-FC/PC	Fiber optic adapter, FC/UPC Female to FC/UPC Female	\$1.50
FT-FC/APC	Fiber optic adapter, FC/APC Female to FC/APC Female	\$1.50
FT-SC/PC	Fiber optic adapter, SC/UPC Female to SC/UPC Female	\$1.50
FT-SC/APC	Fiber optic adapter, SC/APC Female to SC/APC Female	\$1.50
FT-ST	Fiber optic adapter, ST/UPC Female to ST/UPC Female	\$1.50
FT-FC/PC-SC/PC	Fiber optic adapter, FC/UPC Female to SC/UPC Female	\$3.75
FT-FC/PC-ST/PC	Fiber optic adapter, FC/UPC Female to ST/UPC Female	\$3.75
FT-SC/PC-ST/PC	Fiber optic adapter, SC/UPC Female to ST/UPC Female	\$3.75
FT-FC/UPC-LC/UPC	Fiber optic adapter, FC/UPC Female to LC/UPC Female	\$32.50
FT-FC/APC-LC/APC	Fiber optic adapter, FC/APC Female to LC/APC Female	\$32.50
FT-SC/UPC-LC/UPC	Fiber optic adapter, SC/UPC Female to LC/UPC Female	\$32.50
FT-SC/APC-LC/APC	Fiber optic adapter, SC/APC Female to LC/APC Female	\$32.50
FT-ST/UPC-LC/UPC	Fiber optic adapter, ST/UPC Female to LC/UPC Female	\$32.50
FT-LC/UPC-LC/UPC	Fiber optic adapter, LC/UPC Female to LC/UPC Female	\$3.50
FT-LC/APC-LC/APC	Fiber optic adapter, LC/APC Female to LC/APC Female	\$3.50



FT-ST/UPC-LC/UPC



FT-SC/UPC-LC/UPC



FT-SC/APC-LC/APC

Fiber Optic Attenuators

SC/UPC Female to SC/UPC Female Fiber Optic Attenuators

FT-FOATT-SC-1	1 dB	\$12.25 ea.
FT-FOATT-SC-2	2 dB	\$4.25 ea.
FT-FOATT-SC-3	3 dB	\$4.25 ea.
FT-FOATT-SC-4	4 dB	\$4.25 ea.
FT-FOATT-SC-5	5 dB	\$4.25 ea.
FT-FOATT-SC-10	10 dB	\$4.25 ea.

SC/UPC Female to SC/UPC Male Fiber Optic Attenuators

FT-FOATT-MF-SC-1	1 dB	\$12.50 ea.
FT-FOATT-MF-SC-3	3 dB	\$12.50 ea.
FT-FOATT-MF-SC-5	5 dB	\$12.50 ea.
FT-FOATT-MF-SC-10	10 dB	\$12.50 ea.

SC/APC Female to SC/APC Male Fiber Optic Attenuators

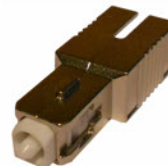
FT-FOATT-MF-SC/APC-1	1 dB	\$13.75 ea.
FT-FOATT-MF-SC/APC-3	3 dB	\$13.75 ea.
FT-FOATT-MF-SC/APC-5	5 dB	\$13.75 ea.
FT-FOATT-MF-SC/APC-10	10 dB	\$13.75 ea.



FT-FOATT-SC-*



FT-FOATT-MF-SC-*

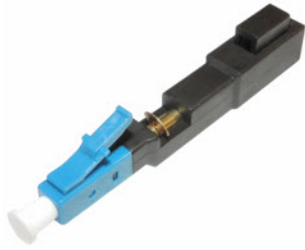


FT-FOATT-MF-SC/APC-*



Field Installable Fiber Optic Quick Connectors

Field installable with no epoxy, oven or fusion splicing



LC Style Field Installable Quick Connectors

FT-FIQC-LC/UPC-SM-3.0 \$11.10 ea.

LC/UPC Connector for single-mode 3.0mm cable

FT-FIQC-LC/UPC-SM-.9 \$11.10 ea.

LC/UPC Connector for single-mode 0.9mm cable



SC Style Field Installable Quick Connectors

FT-FIQC-SC/APC-SM-3.0 \$6.60 ea.

SC/APC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC-SC/UPC-SM-3.0 \$6.60 ea.

SC/UPC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC5-SC/UPC-MM-3.0 \$6.60 ea.

SC/UPC Connector for multi-mode 50 um, 3.0 & 2.0mm cable

FT-FIQC6-SC/UPC-MM-3.0 \$6.60 ea.

SC/UPC Connector for multi-mode 62.5 um, 3.0 & 2.0mm cable



FC Style Field Installable Quick Connectors

FT-FIQC-FC/UPC-SM-3.0 \$6.60 ea.

FC/UPC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC5-FC/UPC-MM-3.0 \$6.60 ea.

FC/UPC Connector for multi-mode 50 um, 3.0 & 2.0mm cable

FT-FIQC6-FC/UPC-MM-3.0 \$6.60 ea.

FC/UPC Connector for multi-mode 62.5 um, 3.0 & 2.0mm cable

FT-FIQC-FC/APC-SM-3.0 \$7.50 ea.

FC/APC Connector for single-mode 3.0 & 2.0mm cable



ST Style Field Installable Quick Connectors

FT-FIQC-ST/UPC-SM-2X3.0 \$19.20 ea.

ST/UPC Connector for single-mode 3x2mm cable

FT-FIQC-ST/UPC-SM-3.0 \$15.00 ea.

ST/UPC Connector for single-mode 3.0mm cable

FT-FIQC-ST/UPC-SM-.9 \$15.00 ea.

ST/UPC Connector for single-mode 0.9mm cable



\$3.90 ea.

FT-QCTOOL-LC

Positioning tool for LC Style
Fiber Optic Quick Connectors



\$3.90 ea.

FT-QCTOOL-ST

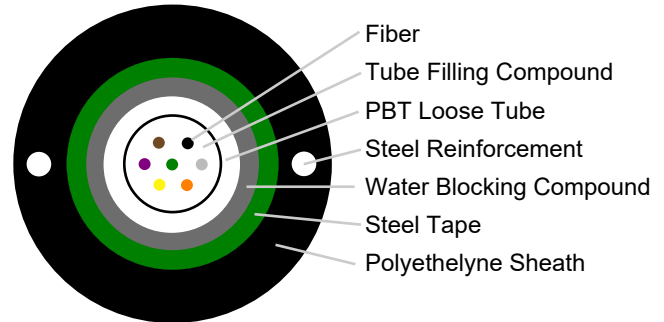
Positioning tool for ST Style
Fiber Optic Quick Connectors

2, 4 & 6 Core Outdoor Fiber Optic Cables

Single-Mode, Unitube, Loose Tube, Light Armored Fiber Optic Cables

Features:

- Loose tube positioned in the center of the cable to protect strands and improve bend radius.
- Small diameter, light weight.
- Hydrolysis resistant, high strength loose tube.
- Special tube filling compound ensures protection of fiber strands.
- PSP and PE Sheath enhances cable crush resistance, impact resistance and moisture proofing.
- Two parallel steel wires increase tensile strength.
- Footage marked jacket.
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

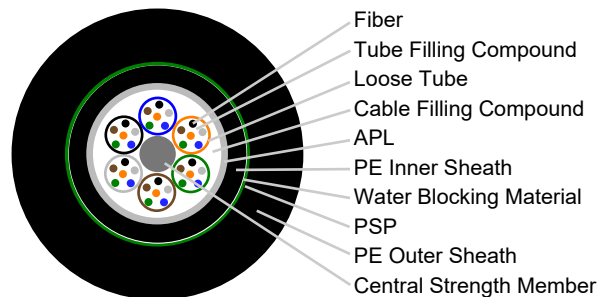
FT-SM-2ULT-2000	2 Core, Single-Mode, unitube, loose tube, light armored	\$1,058.00 / 2,000 Meter Roll
FT-SM-2ULT-1	2 Core, Single-Mode, unitube, loose tube, light armored	\$0.53 / Meter*
FT-SM-4ULT-2000	4 Core, Single-Mode, unitube, loose tube, light armored	\$1,126.80 / 2,000 Meter Roll
FT-SM-4ULT-1	4 Core, Single-Mode, unitube, loose tube, light armored	\$0.57 / Meter*
FT-SM-6ULT-2000	6 Core, Single-Mode, unitube, loose tube, light armored	\$1,376.00 / 2,000 Meter Roll
FT-SM-6ULT-1	6 Core, Single-Mode, unitube, loose tube, light armored	\$0.69 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

4 & 6 Core Single-Mode, Stranded, Loose Tube, Armored, Burial Fiber Optic Cables

Features:

- Steel central wire provides high tensile strength
- Hydrolysis resistant, high strength loose tube.
- Special tube filling compound ensures protection of fiber strands.
- Aluminum Polyethylene Laminate (APL) and double PE sheath enhances cable crush resistance, impact resistance and moisture proofing.
- Footage marked jacket.
- 2,000 Meter full spools or custom lengths available.



The Fibertronix line of Single-Mode, stranded, loose tube, armored, direct burial fiber optic cables feature a central steel wire which provides a high tensile strength while protecting the individual fiber optic cables from breaking during installation. The individual fiber tubes are stranded around the central steel wire into a compact and circular cable core. Aluminum Polyethylene Laminate (APL) is applied around the cable cores and is filled with a compound to protect the individual cables from water ingress. The cable core is then covered with a thin polyethylene inner sheath which is then has a PSP (Plastic - Steel - Plastic) protective layer longitudinally applied. The cables are then finished with a thicker Polyethylene outer jacket.

Ordering Information:

FT-SM-4SLTAB-2000	4 Core, Single-Mode, stranded loose tube, armored, burial	\$2,062.80 / 2,000 Meter Roll
FT-SM-4SLTAB-1	4 Core, Single-Mode, stranded loose tube, armored, burial	\$1.04 / Meter*
FT-SM-6SLTAB-2000	6 Core, Single-Mode, stranded loose tube, armored, burial	\$2,199.60 / 2,000 Meter Roll
FT-SM-6SLTAB-1	6 Core, Single-Mode, stranded loose tube, armored, burial	\$1.10 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

NACE Is Now Offering Custom Connectorized Fiber Optic Cable



- Custom fiber optic cables cut to length for your specific job
- Professionally spooled
- Single-Mode or Multi-Mode
- Single strand or multiple strands
- Many different jacket types available
- With or without connectors of choice
- Tested before shipping
- Quick turn around time

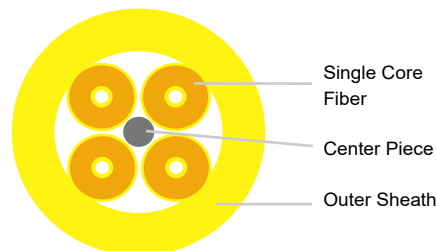
FIBERTRONIX®
...communicating at the speed of light

Single-Mode Indoor Bundled Fiber Optic Cables

Singlemode, Multiple Core, Fiber Optic Cables

Features:

- Typically used for inside wiring.
- Small diameter, light weight.
- Center strengthening member.
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

FT-SM-4CWC-2000	Four Core, Singlemode, 3.0mm, normal yarn	\$2,998.00 / 2,000 Meter Roll
FT-SM-4CWC-1	Four Core, Singlemode, 3.0mm, normal yarn	\$1.50 / Meter*

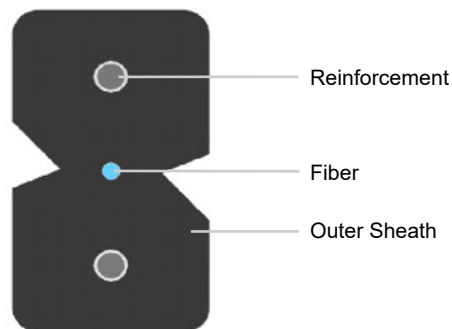
*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

FIBERTRONIX®
...communicating at the speed of light

Features:

- Typically used for inside wiring
- Specifically designed for FTTH (Fiber To The Home) applications
- Small diameter, light weight.
- Suitable for indoor conduit and careful non conduit pulls
- Designed with tight buffer material for use with most standard connectors.
- 2,000 Meter full spools or custom lengths available.

Single-Mode Indoor Butterfly Fiber Optic Cables



Ordering Information:

FT-SMSB-LSZHM-1-2000	Simplex Core, Single-Mode	\$338.40 / 2,000 Meter Roll
FT-SMSB-LSZHM-1-1	Simplex Core, Single-Mode	\$0.17 / Meter*
FT-SMDB-LSZHM-1-2000	Duplex Core, Single-Mode	\$421.20 / 2,000 Meter Roll
FT-SMSB-LSZHM-1-1	Duplex Core, Single-Mode	\$0.22 / Meter*

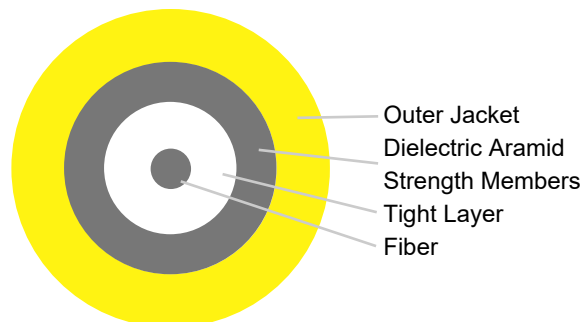
*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

Single Strand Indoor Fiber Optic Cables

Single-Mode, Simplex Core, 3.0mm, Fiber Optic Cables

Features:

- Typically used for inside wiring or patch cords
- Small diameter, light weight.
- Designed with tight buffer material for use with most standard connectors.
- Available with normal or kevlar yarn
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

FT-SM-1-2000	Simplex Core, Single-Mode, 3.0mm, normal yarn
FT-SM-1-1	Simplex Core, Single-Mode, 3.0mm, normal yarn
FT-SM-1-K-2000	Simplex Core, Single-Mode, 3.0mm, kevlar yarn
FT-SM-1-K-1	Simplex Core, Single-Mode, 3.0mm, kevlar yarn

\$151.20 / 2,000 Meter Roll
\$0.076 / Meter*

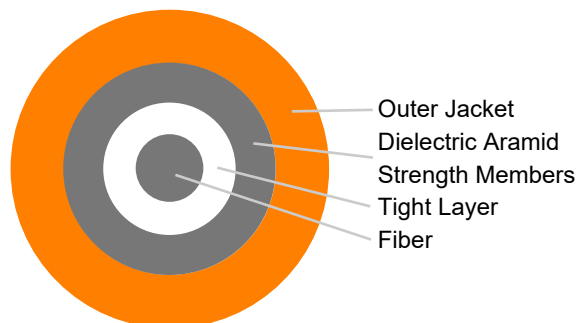
\$262.80 / 2,000 Meter Roll
\$0.14 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

Multi-Mode, Simplex Core, 3.0mm, Fiber Optic Cables

Features:

- Typically used for inside wiring or patch cords
- Small diameter, light weight.
- Designed with tight buffer material for use with most standard connectors.
- Available with normal or kevlar yarn
- Available in 50/125 or 62.5/125 Micron versions
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

FT-MM50-1-2000	Simplex Core, Multi-Mode, 3.0mm, 50/125 micron, normal yarn
FT-MM50-1-1	Simplex Core, Multi-Mode, 3.0mm, 50/125 micron, normal yarn

\$280.80 / 2,000 Meter Roll
\$0.15 / Meter*

FT-MM62.50-1-2000	Simplex Core, Multi-Mode, 3.0mm, 62.5/125 micron, normal yarn
FT-MM62.50-1-1	Simplex Core, Multi-Mode, 3.0mm, 62.5/125 micron, normal yarn

\$280.80 / 2,000 Meter Roll
\$0.15 / Meter*

FT-MM50-1-K-2000	Simplex Core, Multi-Mode, 3.0mm, 50/125 micron, kevlar yarn
FT-MM50-1-K-1	Simplex Core, Multi-Mode, 3.0mm, 50/125 micron, kevlar yarn

\$388.80 / 2,000 Meter Roll
\$0.20 / Meter*

FT-MM62.50-1-K-2000	Simplex Core, Multi-Mode, 3.0mm, 62.5/125 micron, kevlar yarn
FT-MM62.50-1-K-1	Simplex Core, Multi-Mode, 3.0mm, 62.5/125 micron, kevlar yarn

\$388.80 / 2,000 Meter Roll
\$0.20 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

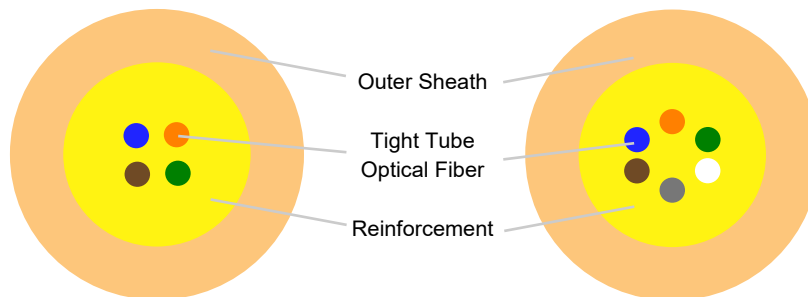


4 & 6 Core Single-Mode Indoor Bundled Fiber Optic Cables

Single-Mode, Multiple Core, 3.0mm, Fiber Optic Cables

Features:

- Typically used for inside wiring
- Small diameter, light weight.
- Designed with tight buffer material for use with most standard connectors.
- Available with normal or kevlar yarn
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

FT-SM-4CB-2000	Four Core, Single-Mode, 3.0mm, normal yarn	\$1,036.80 / 2,000 Meter Roll
FT-SM-4CB-1	Four Core, Single-Mode, 3.0mm, normal yarn	\$0.52 / Meter*
FT-SM-6CB-2000	Six Core, Single-Mode, 3.0mm, normal yarn	\$1,198.00 / 2,000 Meter Roll
FT-SM-6CB-1	Six Core, Single-Mode, 3.0mm, normal yarn	\$0.60 / Meter*
FT-SM-4CB-K-2000	Four Core, Single-Mode, 3.0mm, kevlar yarn	\$1,512.00 / 2,000 Meter Roll
FT-SM-4CB-K-1	Four Core, Single-Mode, 3.0mm, kevlar yarn	\$0.76 / Meter*
FT-SM-6CB-K-2000	Six Core, Single-Mode, 3.0mm, kevlar yarn	\$1,800.00 / 2,000 Meter Roll
FT-SM-6CB-K-1	Six Core, Single-Mode, 3.0mm, kevlar yarn	\$0.90 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

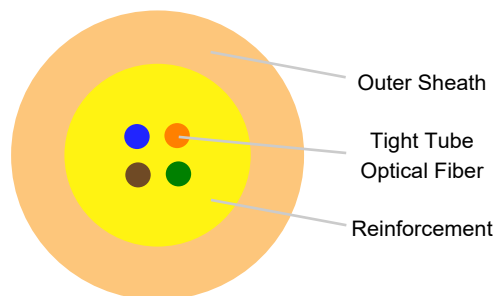


4 Core Multi-Mode Indoor Bundled Fiber Optic Cables

Multi-Mode, Multiple Core, Fiber Optic Cables

Features:

- Typically used for inside wiring
- Small diameter, light weight.
- Designed with tight buffer material for use with most standard connectors.
- Available with normal or kevlar yarn
- 2,000 Meter full spools or custom lengths available.



Ordering Information:

FT-MM50-4CB-2000	Four Core, Multi-Mode, 50/125, normal yarn	\$1,638.00 / 2,000 Meter Roll
FT-MM50-4CB-1	Four Core, Multi-Mode, 50/125, normal yarn	\$0.82 / Meter*
FT-MM50-4CB-K-2000	Four Core, Multi-Mode, 50/125, kevlar yarn	\$2,106.00 / 2,000 Meter Roll
FT-MM50-4CB-K-1	Four Core, Multi-Mode, 50/125, kevlar yarn	\$1.06 / Meter*
FT-MM62.5-4CB-2000	Four Core, Multi-Mode, 62.5/125, normal yarn	\$1,638.00 / 2,000 Meter Roll
FT-MM62.5-4CB-1	Four Core, Multi-Mode, 62.5/125, normal yarn	\$0.82 / Meter*
FT-MM62.5-4CB-K-2000	Four Core, Multi-Mode, 62.5/125, kevlar yarn	\$2,106.00 / 2,000 Meter Roll
FT-MM62.5-4CB-K-1	Four Core, Multi-Mode, 62.5/125, kevlar yarn	\$1.06 / Meter*

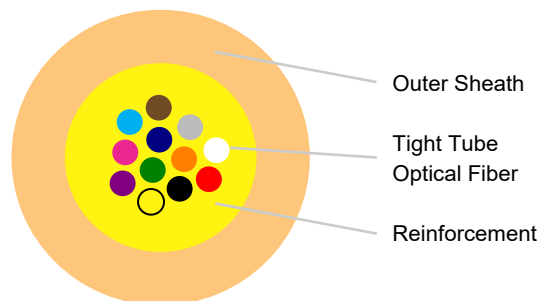
*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

12 Core Single-Mode Indoor Bundled Fiber Optic Cables

Single-Mode, Multiple Core, 3.0mm, Fiber Optic Cables

Features:

- Typically used for inside wiring
- Small diameter, light weight.
- Designed with tight buffer material for use with most standard connectors.
- Available with standard PVC or light armored jacket
- 500, 1,000 or 2,000 Meter spools or custom lengths available.



Ordering Information:

FT-SM-12CB-K-500	Twelve Core Bundled, Single-Mode, 3.0mm, Kevlar Yarn
FT-SM-12CB-K-1000	Twelve Core Bundled, Single-Mode, 3.0mm, Kevlar Yarn
FT-SM-12CB-K-2000	Twelve Core Bundled, Single-Mode, 3.0mm, Kevlar Yarn
FT-SM-12CB-K-1	Twelve Core Bundled, Single-Mode, 3.0mm, Kevlar Yarn
FT-SM-12SLTLAB-500	Twelve Core Stranded Loose Tube, Single-Mode, Light Armored
FT-SM-12SLTLAB-1000	Twelve Core Stranded Loose Tube, Single-Mode, Light Armored
FT-SM-12SLTLAB-2000	Twelve Core Stranded Loose Tube, Single-Mode, Light Armored
FT-SM-12SLTLAB-1	Twelve Core Stranded Loose Tube, Single-Mode, Light Armored

\$599.40 / 500 Meter Roll
\$1,198.80 / 1,000 Meter Roll
\$2,397.60 / 2,000 Meter Roll
\$1.20 / Meter*

\$426.60 / 500 Meter Roll
\$853.20 / 1,000 Meter Roll
\$1,706.40 / 2,000 Meter Roll
\$0.86 / Meter*

*Cut fee and spooling charges not included, call for pricing on custom cut lengths.

Features:

- Provides two output wavelengths, 1310/1550 nm
- Constant wave 270Hz, 1KHz, 2KHz modulation output
- Stable output power
- Stable wavelength
- Backlit LCD display supports night operation
- Compact size
- Large, easy to read LCD screen
- Selectable 10 minute auto-off function to conserve battery life

FT-OLS-A Optical Light Source

\$402.80 ea.



Features:

- 2.5mm universal connector
- End to end visual fiber identification
- Locates faults up to 5km from insertion
- Detects breaks even through jacketed fibers
- 5mw Output
- Lower Battery warning
- Long battery life (up to 60 hours)
- Impact resistant, dust proof laser head design
- Laser case ground prevents ESD damage
- Portable, rugged and easy to use

FT-VFL-1 FT-VFL-2 Visual Fault Locators

\$300.20 ea.



FT-VFL-1



FT-VFL-2

Ordering Information:

FT-VFL-1	Standard visual fault locator	\$300.20 ea.
FT-VFL-2	Pen type visual fault locator	\$300.20 ea.

FT-OPT-4A-AK Handheld Optical Power Meter

Features:

- Wide dynamic measurement range
- Reference power level storage
- User self-calibration function
- LCD display and backlight LCD display supports night operation.
- Power measurements in dBm or mw and insertion loss in dB
- Auto-off function can be activated or deactivated.
- Runs on AA alkaline batteries, Low battery indication



Ordering Information:

FT-OPT-4A-AK 800-1700nm, with FC/APC, ST/APC & SC/APC connector adapters \$399.00 ea.

FT-OPT-3A FT-OPT-3C Handheld Optical Power Meters

Features:

- Power measurement can be displayed in dBm or mw
- Insertion loss displayed in dB
- Easy to read LCD screen
- User self calibration function
- Auto-off function can be activated or deactivated
- Low power consumption, 240 hours of continuous operation time using 3 1.5V alkaline batteries



Ordering Information:

FT-OPT-3A	-70 to +3 dBm Measurement range	\$288.80 ea.	
FT-OPT-3A-AK	-70 to +3 dBm Measurement range, includes FC/UPC, ST/UPC, SCUPC connector adapters		\$330.60 ea.
FT-OPT-3C	-50 to +26 dBm Measurement range	\$288.80 ea.	
FT-OPT-3C-AK	-50 to +26 dBm Measurement range, includes FC/UPC, ST/UPC, SC/UPC connector adapters		\$330.60 ea.



FT-FCS-1 \$488.30 ea.
Fiber Optic Cable
Stripping Tool -
Across & Lengthwise



FT-FCR-1 \$117.80 ea.
Fiber Optic Cable
Stripping Tool
Side Fiber Cable Ripper



FT-FOJS-1 \$85.50 ea.
Fiber Optic Cable
Jacket Slitter

Designed For Cables Of The
Following Sizes:

- | | |
|---------------|---------------|
| • 1.5 - 1.9mm | • 2.5 - 2.9mm |
| • 2.0 - 2.4mm | • 3.0 - 3.3mm |

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Terms & Conditions

SALES OFFICE HOURS: Our sales department is open 8:00 AM to 8:00 PM EST Monday-Friday.

PRICES: Prices are subject to change without notice. Prices in effect at time of order will be applied.

CATALOG ERRORS: The pricing and specifications in this catalog have been carefully checked before printing and are deemed correct, however, no responsibility can be

assumed for inaccuracies that may exist. All information in this catalog is subject to change without prior notice.

LARGE QUANTITY QUOTATIONS: We welcome requests for quotation on quantities in excess of the maximum amounts published in our price list. OEM and non catalog inquiries are welcome for items not listed in our catalog. Some items may be subject to minimum order quantities.

MINIMUM ORDERS: \$100.00 minimum order. All orders under \$100.00 are subject to a \$10.00 handling charge. Minimum order to open a new account is \$250.00.

OUT OF STOCK MERCHANDISE: Out of stock merchandise will be held back for no more than 60 days and shipped when stock becomes available.

Back orders of less than \$25.00 will be automatically canceled. NACE has the option to substitute any item on backorder for a comparable item of equal or greater value.

WILL CALL SERVICE: Customers in close proximity can avoid will call waiting time by phoning orders in 1 hour prior to picking up.

TERMS: Net terms to approved accounts. All other accounts C.O.D., prepay, or Credit Card. For your protection, credit cards are accepted only with signed credit card authorization on file. All customers must provide sales tax resale number. All merchandise is sold with the intention of resale by the purchaser. A 3% surcharge will be applied to all NET accounts that are paid via credit card.

DECLINED CREDIT CARD FEE: All declined credit card orders will be charged a \$10.00 service charge. The fee will be charged in the freight field of the order.

FREE FREIGHT ORDERS: Shipper to be determined by NACE on all orders that NACE is paying the shipping charges.

PAST DUE ACCOUNTS: All accounts over 60 days will be shipped C.O.D. ONLY. ACCOUNTS OVER 90 DAYS WILL BE NOTIFIED AND TURNED OVER FOR COLLECTION 10 DAYS AFTER NOTIFICATION.

FINANCE CHARGE: 1.25% per month on all invoices over 30 days.

RETURNED CHECK CHARGES: Customer will be charged \$50.00 each time a check is returned for any reason.

COLLECTION: Customer is responsible for any costs or fees necessary to collect past due accounts.

BILLING INQUIRES: All billing and account status inquiries should be directed to the accounts receivable department 8:30 AM to 5:00 PM Mon.-Fri.

FREIGHT: All orders are shipped F.O.B. West Chester, PA; St. Peters, MO; or Las Vegas, NV unless otherwise specified. Orders are shipped UPS ground or freight carrier.

Please be sure to specify for special 3 day, 2 day, next day service and/or Saturday delivery if needed. We also offer carrier truck service for heavy or large shipments and next flight out for same day shipping. For your protection, shipments are automatically insured for damage or loss in transit. Middle Atlantic Products are not eligible for free shipping at any time. All freight charges are subject to dimensional/oversize carrier weight regulations. Addresses determined by carrier as residential are subject to residential delivery rates. Special delivery fees will be assessed in arrears for any carrier chargebacks.

DROP SHIPMENT FEES: To cover the added costs with doing a drop shipment from a vendor, the following fees will apply. This is in addition to vendor freight, and other vendor additional charges (drop ship fees, etc.) to help offset the increased amount of labor with an order that is a drop ship. Orders will receive a 5% freight surcharge, with a cap of \$50.00, added into the freight amount. There will be a minimum surcharge of \$5.00 per any order.

SAME DAY SHIPPING: The majority of orders received by 5 PM E.S.T. Are processed and shipped the same day if credit has been established and the account is in current standing.

SHORTAGES: Must notify carrier immediately and NACE within 10 days from invoice date.

INCORRECT SHIPMENTS: Must notify NACE within 10 days from invoice date.

REPAIR/RETURN MERCHANDISE: Must have a return material authorization # (RMA) which can be obtained by calling your account representative. Product may be repaired/replaced/credited at our option. Product is supported in accordance with manufacturers policy. Original invoice number, quantity, item number, and description of reason for return are required to issue RMA. Any return merchandise is to be sent back freight prepaid. Some products are required to be sent back directly to the manufacturer. NACE reserves the right to deny requests for returns at their discretion.

RETURN OF MERCHANDISE: Merchandise being returned for credit must have a return material authorization number. Merchandise being returned for credit must be returned within 90 days of date of purchase and are subject to restocking charges. Merchandise and packaging materials must be in original factory condition. Product returned can not be altered in any way. This includes any type of marking, writing or labeling on the product. Credits will be issued as merchandise credit only, no cash refunds. Any orders refused by the customer may be subject to restocking fee. If a customer refuses an order for any reason, NACE will be compensated for all shipping charges.

REFUSED ORDERS: Refused orders will be charged a minimum 20% restocking fee.

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dB Conversion Chart

mV	dBmV	dBm
0.0010	-60	-108.75
0.0011	-59	-107.75
0.0013	-58	-106.75
0.0014	-57	-105.75
0.0016	-56	-104.75
0.0018	-55	-103.75
0.0020	-54	-102.75
0.0022	-53	-101.75
0.0025	-52	-100.75
0.0028	-51	-99.75
0.0032	-50	-98.75
0.0035	-49	-97.75
0.0040	-48	-96.75
0.0045	-47	-95.75
0.0050	-46	-94.75
0.0056	-45	-93.75
0.0063	-44	-92.75
0.0071	-43	-91.75
0.0079	-42	-90.75
0.0089	-41	-89.75
0.0100	-40	-88.75
0.0112	-39	-87.75
0.0126	-38	-86.75
0.0141	-37	-85.75
0.0158	-36	-84.75
0.0178	-35	-83.75
0.0200	-34	-82.75
0.0224	-33	-81.75
0.0251	-32	-80.75
0.0282	-31	-79.75
0.0316	-30	-78.75
0.0355	-29	-77.75
0.0398	-28	-76.75
0.0447	-27	-75.75
0.0501	-26	-74.75
0.0562	-25	-73.75
0.0631	-24	-72.75
0.0708	-23	-71.75
0.0794	-22	-70.75
0.0891	-21	-69.75
0.1000	-20	-68.75
0.1120	-19	-67.75
0.1259	-18	-66.75
0.1413	-17	-65.75
0.1586	-16	-64.75
0.1778	-15	-63.75
0.1995	-14	-62.75
0.2239	-13	-61.75

mV	dBmV	dBm
0.2512	-12	-60.75
0.2818	-11	-59.75
0.3162	-10	-58.75
0.3548	-9	-57.75
0.3981	-8	-56.75
0.4467	-7	-55.75
0.5012	-6	-54.75
0.5623	-5	-53.75
0.6310	-4	-52.75
0.7079	-3	-51.75
0.7943	-2	-50.75
0.8913	-1	-49.75
1.0000	0	-48.75
1.1220	1	-47.75
1.2589	2	-46.75
1.4125	3	-45.75
1.5849	4	-44.75
1.7783	5	-43.75
1.9953	6	-42.75
2.2387	7	-41.75
2.5119	8	-40.75
2.8184	9	-39.75
3.1623	10	-38.75
3.5481	11	-37.75
3.9811	12	-36.75
4.4668	13	-35.75
5.0119	14	-34.75
5.6234	15	-33.75
6.3096	16	-32.75
7.0795	17	-31.75
7.9433	18	-30.75
8.9125	19	-29.75
10.0000	20	-28.75
11.2202	21	-27.75
12.5893	22	-26.75
14.1254	23	-25.75
15.8489	24	-24.75
17.7828	25	-23.75
19.9526	26	-22.75
22.3872	27	-21.75
25.1189	28	-20.75
28.1838	29	-19.75
31.6228	30	-18.75
35.4813	31	-17.75
29.8107	32	-16.75
44.6684	33	-15.75
50.1187	34	-14.75
56.2341	35	-13.75

mV	dBmV	dBm
63.0957	36	-12.75
70.7946	37	-11.75
79.4328	38	-10.75
89.1251	39	-9.75
100.0000	40	-8.75
112.2018	41	-7.75
125.8925	42	-6.75
141.2538	43	-5.75
158.4893	44	-4.75
177.8279	45	-3.75
199.5262	46	-2.75
223.8721	47	-1.75
251.1886	48	-0.75
273.8420	48.75	0
281.8383	49	0.25
316.2278	50	1.25
354.8134	51	2.25
398.1072	52	3.25
446.6836	53	4.25
501.1872	54	5.25
562.3413	55	6.25
630.9573	56	7.25
707.9458	57	8.25
794.3282	58	9.25
891.2509	59	10.25
1000.0000	60	11.25
1122.0185	61	12.25
1258.9254	62	13.25
1412.5375	63	14.25
1584.8932	64	15.25
1778.2794	65	16.25
1995.2623	66	17.25
2238.7211	67	18.25
2511.8864	68	19.25
2818.3829	69	20.25
3162.2777	70	21.25
3548.1339	71	22.25
3981.0717	72	23.25
4466.8359	73	24.25
5011.8723	74	25.25
5623.4133	75	26.25
6309.5734	76	27.25
7079.4578	77	28.25
7943.2823	78	29.25
8912.5094	79	30.25
10000.0000	80	31.25

Typical Cable Attenuation IN DECIBELS / 100 ft. at 68 DEGREES FAHRENHEIT

Freq. MHz	Drop Cable				Trunk Cable									
	RG-59	RG-6	RG-7	RG-11	412	500	625	750	875	1000	565	700	840	1160
5	0.77	0.57	0.56	0.36	0.20	0.16	0.13	0.11	0.09	0.08	0.14	0.11	0.09	0.07
55	1.88	1.50	1.22	0.95	0.68	0.55	0.45	0.37	0.32	0.29	0.47	0.37	0.32	0.24
211	3.59	2.87	2.29	1.81	1.35	1.08	0.89	0.73	0.64	0.58	0.93	0.74	0.64	0.48
250	3.89	3.12	2.49	1.98	1.49	1.19	0.98	0.81	0.70	0.64	1.03	0.82	0.70	0.53
270	4.05	3.24	2.59	2.06	1.55	1.24	1.02	0.84	0.73	0.67	1.07	0.85	0.73	0.56
300	4.27	3.43	2.74	2.17	1.64	1.31	1.08	0.89	0.78	0.72	1.13	0.90	0.77	0.59
330	4.50	3.61	2.89	2.29	1.73	1.38	1.14	0.94	0.82	0.76	1.19	0.95	0.82	0.63
350	4.64	3.72	2.98	2.36	1.78	1.43	1.18	0.97	0.84	0.78	1.23	0.98	0.84	0.65
400	4.88	4.00	3.20	2.53	1.91	1.53	1.27	1.05	0.91	0.84	1.32	1.05	0.91	0.70
450	5.30	4.28	3.41	2.69	2.03	1.63	1.35	1.12	0.97	0.90	1.40	1.12	0.97	0.75
500	5.50	4.51	3.61	2.85	2.15	1.73	1.43	1.18	1.03	0.96	1.49	1.19	1.03	0.80
550	5.90	4.76	3.80	3.01	2.26	1.82	1.51	1.25	1.09	1.01	1.56	1.25	1.09	0.84
600	6.18	4.98	3.99	3.16	2.37	1.91	1.58	1.31	1.14	1.06	1.64	1.31	1.14	0.89
750	6.96	5.62	4.50	3.58	2.68	2.16	1.79	1.48	1.29	1.21	1.85	1.49	1.30	1.01
870	7.54	6.09	4.87	3.90	2.90	2.35	1.95	1.61	1.41	1.33	2.01	1.62	1.41	1.11
950	7.90	6.39	5.11	4.10	3.03	2.49	2.04	1.72	1.50	1.35	2.15	1.75	1.51	1.15
1000	8.09	6.54	5.25	4.23	3.13	2.53	2.11	1.74	1.53	1.44	2.17	1.75	1.53	1.20
1200	8.91	7.18	5.77	4.71	3.44	2.83	2.32	1.96	1.72	1.55	2.45	2.00	1.72	1.33
1450	9.82	7.89	6.34	5.29	3.81	3.12	2.61	2.16	1.90	1.81	2.66	2.13	1.90	1.52
1750	10.92	8.74	6.93	5.95	4.23	3.47	2.92	2.41	2.13	2.03	2.96	2.36	2.13	1.71
1850	11.23	8.99	7.13	6.12	4.36	3.60	2.97	2.52	2.22	2.07	3.13	2.57	2.23	1.74
2000	11.67	9.34	7.41	6.36	4.55	3.76	3.12	2.64	2.32	2.11	3.27	2.69	2.33	1.82
2150	12.10	9.69	7.68	6.60	4.74	3.92	3.24	2.75	2.43	2.21	3.41	2.81	2.44	1.91

Frequency Allocation Chart UHF Channels

Ch.	Bandwidth	Video	Audio	Ch.	Bandwidth	Video	Audio	Ch.	Bandwidth	Video	Audio
14	470	476	471.25 475.75	38	614	620	615.25 619.75	61	752	758	753.25 757.75
15	476	482	477.25 481.75	39	620	626	621.25 625.75	62	758	764	759.25 763.75
16	482	488	483.25 487.75	40	626	632	627.25 631.75	63	764	770	765.25 769.75
17	488	494	489.25 493.75	41	632	638	633.25 637.75	64	770	776	771.25 775.75
18	494	500	495.25 499.75	42	638	644	639.25 643.75	65	776	782	777.25 781.75
19	500	506	501.25 505.75	43	644	650	645.25 649.75	66	782	788	783.25 787.75
20	506	512	507.25 511.75	44	650	656	651.25 655.75	67	788	794	789.25 793.75
21	512	518	513.25 517.75	45	656	662	657.25 661.75	68	794	800	795.25 799.75
22	518	524	519.25 523.75	46	662	668	663.25 667.75	69	800	806	801.25 805.75
23	524	530	525.25 529.75	47	668	674	669.25 673.75	70	806	812	807.25 811.75
24	530	536	531.25 535.75	48	674	680	675.25 679.75	71	812	818	813.25 817.75
25	536	542	537.25 541.75	49	680	686	681.25 685.75	72	818	824	819.25 823.75
26	542	548	543.25 547.75	50	686	692	687.25 691.75	73	824	830	825.25 829.75
27	548	554	549.25 553.75	51	692	698	693.25 697.75	74	830	836	831.25 835.75
28	554	560	555.25 559.75	52	698	704	699.25 703.75	75	836	842	837.25 841.75
29	560	566	561.25 565.75	53	704	710	705.25 709.75	76	842	848	843.25 847.75
30	566	572	567.25 571.75	54	710	716	711.25 715.75	77	848	854	849.25 853.75
31	572	578	573.25 577.75	55	716	722	717.25 721.75	78	854	860	855.25 859.75
32	578	584	579.25 583.75	56	722	728	723.25 727.75	79	860	866	861.25 865.75
33	584	590	585.25 589.75	57	728	734	729.25 733.75	80	866	872	867.25 871.75
34	590	596	591.25 595.75	58	734	740	735.25 739.75	81	872	878	873.25 877.75
35	596	602	597.25 601.75	59	740	746	741.25 745.75	82	878	884	879.25 883.75
36	602	608	603.25 607.75	60	746	752	747.25 751.75	83	884	890	885.25 889.75
37	608	614	609.25 613.75								

CATV QAM Channel Center Frequency - 54 MHz to 860 MHz

EIA Chan.	MHz Center Frequency	EIA Chan.	MHz Center Frequency	EIA Chan.	MHz Center Frequency
2	57	42	333	87	603
3	63	43	339	88	609
4	69	44	345	89	615
5	79	45	351	90	621
6	85	46	357	91	627
95	93	47	363	92	633
96	99	48	369	93	639
97	105	49	375	94	645
98	111	50	381	100	651
99	119	51	387	101	657
14	123	52	393	102	663
15	129	53	399	103	669
16	135	54	405	104	675
17	141	55	411	105	681
18	147	56	417	106	687
19	153	57	423	107	693
20	159	58	429	108	699
21	165	59	435	109	705
22	171	60	441	110	711
7	177	61	447	111	717
8	183	62	453	112	723
9	189	63	459	113	729
10	195	64	465	114	735
11	201	65	471	115	741
12	207	66	477	116	747
13	213	67	483	117	753
23	219	68	489	118	759
24	225	69	495	119	765
25	231	70	501	120	771
26	237	71	507	121	777
27	243	72	513	122	783
28	249	73	519	123	789
29	255	74	525	124	795
30	261	75	531	125	801
31	267	76	537	126	807
32	273	77	543	127	813
33	279	78	549	128	819
34	285	79	555	129	825
35	291	80	561	130	831
36	297	81	567	131	837
37	303	82	573	132	843
38	309	83	579	133	849
39	315	84	585	134	855
40	321	85	591	135	861
41	327	86	597		

Frequency Allocation Chart For VHF and CATV Channels

Chan.	EIA Chan.	Standard		Incremental		Harmonic	
		Video	Audio	Video	Audio	Video	Audio
T7	none	7.0000	11.5000	NA	NA	NA	NA
T8	none	13.0000	17.5000	NA	NA	NA	NA
T9	none	19.0000	23.5000	NA	NA	NA	NA
T10	none	25.0000	29.5000	NA	NA	NA	NA
T11	none	31.0000	35.5000	NA	NA	NA	NA
T12	none	37.0000	41.5000	NA	NA	NA	NA
T13	none	43.0000	47.5000	NA	NA	NA	NA
T14	none	49.0000	53.5000	NA	NA	NA	NA
2	2	55.2500	59.7500	55.2625	59.7625	54.0027	58.5027
3	3	61.2500	65.7500	61.2625	65.7625	60.0030	64.5030
4	4	67.2500	71.7500	67.2625	71.7625	66.0033	70.5030
A8	1	NA	NA	73.2625	77.7625	72.0036	76.5036
5	5	77.2500	81.7500	79.2625	83.7625	78.0039	82.5039
6	6	83.2500	87.7500	85.2625	89.7625	84.0042	88.5042
A5	95	91.2500	95.7500	91.2625	95.7625	90.0045	94.5045
A4	96	97.2500	101.7500	97.2625	101.7625	96.0048	100.5048
A3	97	103.2500	107.7500	103.2625	107.7625	102.0051	106.5051
A2	98	109.2500	113.7500	109.2750	113.7750	--	--
A1	99	115.2500	119.7500	115.2750	119.7750	--	--
A	14	121.2625	125.7625	121.2625	125.7625	120.0060	124.5060
B	15	127.2625	131.7625	127.2625	131.7625	126.0063	130.5063
C	16	133.2625	137.7625	133.2625	137.7625	132.0066	136.5066
D	17	139.2400	143.7400	139.2625	143.7625	138.0069	142.5069
E	18	145.2500	149.7500	145.2625	149.7625	144.0072	148.5072
F	19	151.2500	155.7500	151.2625	155.7625	150.0075	154.5075
G	20	157.2500	161.7500	157.2625	161.7625	156.0078	160.5078
H	21	163.2500	167.7500	163.2625	167.7625	162.0081	166.5081
I	22	169.2500	173.7500	169.2625	173.7625	168.0084	172.5084
7	7	175.2500	179.7500	175.2625	179.7625	174.0087	178.5087
8	8	181.2500	185.7500	181.2625	185.7625	180.0090	184.5090
9	9	187.2500	191.7500	187.2625	191.7625	186.0093	190.5093
10	10	193.2500	197.7500	193.2625	197.7625	192.0096	196.5096
11	11	199.2500	203.7500	199.2625	203.7625	198.0099	202.5099
12	12	205.2500	209.7500	205.2625	209.7625	204.0102	208.5102
13	13	211.2500	215.7500	211.2625	215.7625	210.0105	214.5105
J	23	217.2500	221.7500	217.2625	221.7625	216.0108	220.5108
K	24	223.2500	227.7500	223.2625	227.7625	222.0111	226.5111
L	25	229.2625	233.7625	229.2625	233.7625	228.0114	232.5114
M	26	235.2625	239.7625	235.2625	239.7625	234.0117	238.5117
N	27	241.2625	245.7625	241.2625	245.7625	240.0120	244.5120
O	28	247.2625	251.7625	247.2625	251.7625	246.0123	250.5123
P	29	253.2625	257.7625	253.2625	257.7625	252.0126	256.5126
Q	30	259.2625	263.7625	259.2625	263.7625	258.0129	262.5129
R	31	265.2625	269.7625	265.2625	269.7625	264.0132	268.5132
S	32	271.2625	275.7625	271.2625	275.7625	270.0135	274.5135
T	33	277.2625	281.7625	277.2625	281.7625	276.0138	280.5138
U	34	283.2625	287.7625	283.2625	287.7625	282.0141	286.5141
V	35	289.2625	293.7625	289.2625	293.7625	288.0144	292.5144
W	36	295.2625	299.7625	295.2625	299.7625	294.0147	298.5147
AA	37	301.2625	305.7625	301.2625	305.7625	300.0150	304.5150
BB	38	307.2625	311.7625	307.2625	311.7625	306.0153	310.5153
CC	39	313.2625	317.7625	313.2625	317.7625	312.0156	316.5156
DD	40	319.2625	323.7625	319.2625	323.7625	318.0159	322.5159
EE	41	325.2625	329.7625	325.2625	329.7625	324.0162	328.5162
FF	42	331.2750	335.7750	331.2750	335.7750	330.0165	334.5165
GG	43	337.2625	341.7625	337.2625	341.7625	336.0168	340.5168
HH	44	343.2625	347.7625	343.2625	347.7625	342.0168	346.5168
II	45	349.2625	353.7625	349.2625	353.7625	348.0168	352.5168
JJ	46	355.2625	359.7625	355.2625	359.7625	354.0168	358.5168
KK	47	361.2625	365.7625	361.2625	365.7625	360.0168	364.5168
LL	48	367.2625	371.7625	367.2625	371.7625	366.0168	370.5168
MM	49	373.2625	377.7625	373.2625	377.7625	372.0168	376.5168
NN	50	379.2625	383.7625	379.2625	383.7625	378.0168	382.5168
OO	51	385.2625	389.7625	385.2625	389.7625	384.0168	388.5168
PP	52	391.2625	395.7625	391.2625	395.7625	390.0168	394.5168
QQ	53	397.2625	401.7625	397.2625	401.7625	396.0168	400.5168
RR	54	403.2500	407.7500	403.2625	407.7625	402.0201	406.5201
SS	55	409.2500	413.7500	409.2625	413.7625	408.0204	412.5204
TT	56	415.2500	419.7500	415.2625	419.7625	414.0207	418.5207
UU	57	421.2500	425.7500	421.2625	425.7625	420.0210	424.5210
VV	58	427.2500	431.7500	427.2625	431.7625	426.0213	430.5213
WW	59	433.2500	437.7500	433.2625	437.7625	432.0216	436.5216
XX	60	439.2500	443.7500	439.2625	443.7625	438.0219	442.5219
YY	61	445.2500	449.7500	445.2625	449.7625	444.0222	448.5222
ZZ	62	451.2500	455.7500	451.2625	455.7625	450.0225	454.5225

Chan.	EIA	Standard		Incremental		Harmonic	
	Chan.	Video	Audio	Video	Audio	Video	Audio
AAA	63	457.2500	461.7500	457.2625	461.7625	456.0228	460.5228
BBB	64	463.2500	467.7500	463.2625	467.7625	462.0231	466.5231
CCC	65	469.2500	473.7500	469.2625	473.7625	468.0234	472.5234
DDD	66	475.2500	479.7500	475.2625	479.7625	474.0237	478.5237
EEE	67	481.2500	485.7500	481.2625	485.7625	480.0240	484.5240
FFF	68	487.2500	491.7500	487.2625	491.7625	486.0243	490.5243
GGG	69	493.2500	497.7500	493.2625	497.7625	492.0246	496.5246
HHH	70	499.2500	503.7500	499.2625	503.7625	498.0249	502.5249
III	71	505.2500	509.7500	505.2625	509.7625	504.0252	508.5252
JJJ	72	511.2500	515.7500	511.2625	515.7625	510.0255	514.5255
KKK	73	517.2500	521.7500	517.2625	521.7625	516.0258	520.5258
LLL	74	523.2500	527.7500	523.2625	527.7625	522.0261	526.5261
MMM	75	529.2500	533.7500	529.2625	533.7625	528.0264	532.5264
NNN	76	535.2500	539.7500	535.2625	539.7625	534.0267	538.5267
OOO	77	541.2500	545.7500	541.2625	545.7625	540.0270	544.5270
PPP	78	547.2500	551.7500	547.2625	551.7625	546.0273	550.5273
QQQ	79	553.2500	557.7500	553.2625	557.7625	552.0276	556.5276
RRR	80	559.2500	563.7500	559.2625	563.7625	558.0279	562.5279
SSS	81	565.2500	569.7500	565.2625	569.7625	564.0282	568.5282
TTT	82	571.2500	575.7500	571.2625	575.7625	570.0285	574.5285
UUU	83	577.2500	581.7500	577.2625	581.7625	576.0288	580.5288
VVV	84	583.2500	587.7500	583.2625	587.7625	582.0291	586.5291
WWW	85	589.2500	593.7500	589.2625	593.7625	588.0294	592.5294
XXX	86	595.2500	599.7500	595.2625	599.7625	594.0297	598.5297
YYY	87	601.2500	605.7500	601.2625	605.7625	600.0300	604.5300
ZZZ	88	607.2500	611.7500	607.2625	611.7625	606.0303	610.5303
--	89	613.2500	617.7500	613.2625	617.7625	612.0306	616.5306
--	90	619.2500	623.7500	619.2625	623.7625	618.0309	622.5309
--	91	625.2500	629.7500	625.2625	629.7625	624.0312	628.5312
--	92	631.2500	635.7500	631.2625	635.7625	630.0315	634.5315
--	93	637.2500	641.7500	637.2625	641.7625	636.0318	640.5318
--	94	643.2500	647.7500	643.2625	647.7625	642.0321	646.5321
--	100	649.2500	653.7500	649.2625	653.7625	648.0324	652.5324
--	101	655.2500	659.7500	655.2625	659.7625	654.0327	658.5327
--	102	661.2500	665.7500	661.2625	665.7625	660.0330	664.5330
--	103	667.2500	671.7500	667.2625	671.7625	666.0333	670.5333
--	104	673.2500	677.7500	673.2625	677.7625	672.0336	676.5336
--	105	679.2500	683.7500	679.2625	683.7625	678.0339	682.5339
--	106	685.2500	689.7500	685.2625	689.7625	684.0342	688.5342
--	107	691.2500	695.7500	691.2625	695.7625	690.0345	694.5345
--	108	697.2500	701.7500	697.2625	701.7625	696.0348	700.5348
--	109	703.2500	707.7500	703.2625	707.7625	702.0351	706.5351
--	110	709.2500	713.7500	709.2625	713.7625	708.0354	712.5354
--	111	715.2500	719.7500	715.2625	719.7625	714.0357	718.5357
--	112	721.2500	725.7500	721.2625	725.7625	720.0360	724.5360
--	113	727.2500	731.7500	727.2625	731.7625	726.0363	730.5363
--	114	733.2500	737.7500	733.2625	737.7625	732.0366	736.5366
--	115	739.2500	743.7500	739.2625	743.7625	738.0369	742.5369
--	116	745.2500	749.7500	745.2625	749.7625	744.0372	748.5372
--	117	751.2500	755.7500	751.2625	755.7625	750.0375	754.5375
--	118	757.2500	761.7500	757.2625	761.7625	756.0378	760.5378
--	119	763.2500	767.7500	763.2625	767.7625	762.0381	766.5381
--	120	769.2500	773.7500	769.2625	773.7625	768.0384	772.5384
--	121	775.2500	779.7500	775.2625	779.7625	774.0387	778.5387
--	122	781.2500	785.7500	781.2625	785.7625	780.0390	784.5390
--	123	787.2500	791.7500	787.2625	791.7625	786.0393	790.5393
--	124	793.2500	797.7500	793.2625	797.7625	792.0396	796.5396
--	125	799.2500	803.7500	799.2625	803.7625	789.0399	793.5399
--	126	805.2500	809.7500	805.2625	809.7625	804.0402	808.5402
--	127	811.2500	815.7500	811.2625	815.7625	810.0405	814.5405
--	128	817.2500	821.7500	817.2625	821.7625	816.0408	820.5408
--	129	823.2500	827.7500	823.2625	827.7625	822.0411	826.5411
--	130	829.2500	833.7500	829.2625	833.7625	828.0414	832.5414
--	131	835.2500	839.7500	835.2625	839.7625	834.0417	838.5417
--	132	841.2500	845.7500	841.2625	845.7625	840.0420	844.5420
--	133	847.2500	851.7500	847.2625	851.7625	846.0423	850.5423
--	134	853.2500	857.7500	853.2625	857.7625	852.0426	856.5426
--	135	859.2500	863.7500	859.2625	863.7625	858.0429	862.5429
--	136	865.2500	869.7500	865.2625	869.7625	864.0432	868.5432
--	137	871.2500	875.7500	871.2625	875.7625	870.0435	874.5435
--	138	877.2500	881.7500	877.2625	881.7625	876.0438	880.5438
--	139	883.2500	887.7500	883.2625	887.7625	882.0441	886.5441
--	140	889.2500	893.7500	889.2625	893.7625	888.0444	892.5444
--	141	895.2500	899.7500	895.2625	899.7625	894.0447	898.5447
--	142	901.2500	905.7500	901.2625	905.7625	900.0450	904.5450

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