



Cat5e & Cat6 Gear
 CATV Distribution
 CCTV Equipment
 CCTV Over Fiber
 Coaxial Cable
 Connectors & Adapters
 Digital Signage
 Equipment Racks
 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
 Network Video Recorders
 Speakers & Audio Gear
 Surge Protectors
 Television Mounts
 Test Equipment
 Tools
 UPS Battery Backups
 Video Baluns
 Wire & Cable

SECURITYTRONIX®
 THE IMAGE OF QUALITY
www.securitytronix.com

Update your systems from analog
 to HD over their existing coaxial
 infrastructure!

HD-COAXINATOR™

All New SecurityTronix
CCTV Section Pages 86 - 125



FIBERTRONIX®

Fibertronix Products Pages 59 - 85



CABLETRONIX®

Commercial & Residential
Satellite & Video Equipment



SYMPHONIC
DESIGNS

Speakers &
Home Theater Equipment



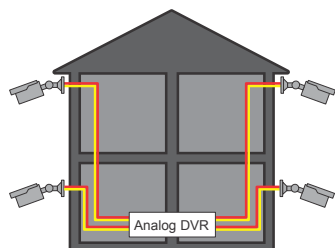
DATA-TRONIX®
Patch Panels, Data &
Networking Products



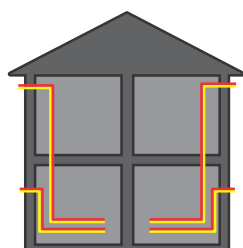
New Products from NACE Brands

HD-COAXINATOR™ replaces analog and HD-SDI

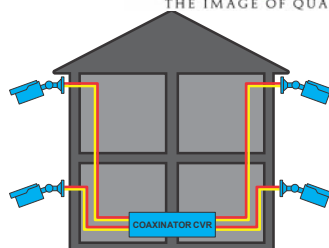
Update your properties from analog to HD in just a few hours with SECURITYTRONIX™ HD-COAXINATOR™



Property with existing 12VDC analog CCTV system



All wiring is reused for both power and video



Install new HD-COAXINATOR cameras and CVR

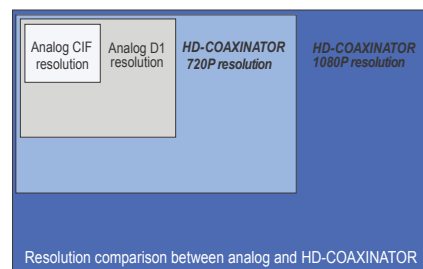
**See Pages 86-92
For Details**



The HD-CVI technology used in the SecurityTronix HD-COAXINATOR provides resolution, clarity and natural colors that traditional analog CCTV cameras are unable to match.

Competitor's cameras with HD-SDI technology can provide the same 720P & 1080P resolutions which COAXINATOR provides, however they suffer from significantly higher cost, limited cable runs and do not have the ability to send PTZ control data over the same coax cable used for video.

	Max Record Resolution (D1)	Audio Over Coax?	Data/PTZ Over Coax	Maximum Cable Length	Average Price Point
HD-COAXINATOR™	1920 x 1080	YES	YES	1650 ft	\$\$
HD-SDI	1920 x 1080	YES	NO	330 ft	\$\$\$
Analog	720 x 480	NO	NO	750 ft	\$



IP Buddy+

IP & Analog Surveillance Camera Test Monitor & Installation Tool



**See Page 49
For Details**

Features:

- 7 inch LCD touch screen 1024x600
- 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
- HDMI signal output, supports 1080p
- Analog camera image display, auto adapts and display NTSC or PAL video formats
- 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
- 2 Year Limited Warranty



Ordering Information:

ST-IP-TEST IP Buddy+ IP & Analog Surveillance Camera Test Monitor & Installation Tool

Miniature Digital Signage & Media Players

DATA-TRONIX™



**See Page 8
For Details**



DT-HDMP-1

DT-HDMP-2

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



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Commercial
Headend

Equipment
Racks

Home
Theater

Television
Mounts

Cable &
Connectors

Data &
Networking

Meters
& Tools

Amplifiers
& Splitters

Outdoor
Distribution

Fiber Optic
Equipment

CCTV



...competitive technologies
with compelling value

CT-HDIPSS Streaming High Definition IP Server

Features:

- Front panel LED status display
- Output video resolution up to 1080p
- HDMI, Component & composite inputs with auto detection
- Dual mode H.264 AVC / MPEG-2 selectable
- Real Time Streaming Protocol (RTSP)
- USB media player
- Closed Captioning Support
- Output audio format : MPEG-1-Layer2(MP2), AAC, Supports Dolby® Digital encoding
- Easy installation and use
- Web user interface for setup and control
- Gigabit Ethernet port
- Light weight and compact design



Description:

The CT-HDIPSS HD IP Streamer allows the user to stream any one audio/video source over a IP Network to multiple Smart HDTV's or connected computers within the IP Network and is compatible with DRE Plus managed systems. The IP Streamer accepts a HDMI, Component, or Composite video input and the unit is designed to deliver a rich HD/SD Streaming experience for its users deploying MPEG-2 or MPEG-4 standards.

The CT-HDIPSS Streaming server enables high-definition streaming with resolutions up to 1080p, providing a high quality viewing experience for your customer. The unit is MPEG-2 or MPEG-4 switchable and supports UDP/RTP Streaming. The compact design saves space and is easily controlled via a web UI for rapid deployment.

Interfaces

Ethernet (output)	Combined IP output port (1Gbps) / Management port (10 Mbps)
USB	USB 2.0
Video Input	HDMI, YPbPr, CVBS
Audio Input	Analog, Coaxial SPDIF, Optical SPDIF

Encoding

Output Video Format	MPEG-2, AVC
Output Audio Format	MPEG-1 Layer2(MP2), AAC, Supports Dolby® Digital encoding
Resolution	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Output Video Bitrate	MPEG-2 HD: 10 - 20 Mbps MPEG-2 SD: 2-8 Mbps AVC HD: 2 - 10 Mbps AVC SD: 1 - 4 Mbps
Output Audio Bitrate	128, 256, 384 Kbps
Streaming Protocols	HTTP, UDP/RTP Multicast, UDP/RTP unicast, TCP unicast

USB Media Player

File Formats Supported

MPEG Transport stream file with suffix .ts
Matroska or Web M file with suffix .mkv or webm
Ogg file with suffix .ogg, .ogv or opus
MPEG-1 or 2 Program stream file with suffix .mpg
MPEG-4 Video elementary stream file with suffix .m4e
H.264 Video elementary stream file with suffix .264
H.265 Video elementary stream file with suffix .265

Miscellaneous

Digital Living Network Alliance (DLNA)	MediaServer 1.5
Closed Caption	Yes
Power Supply	12VDC, 1.5A
Consumption	500mA
Dimensions	9.5"W x 6.25"D x 1.4"H
Weight	2.08 lbs.

Description:

CT-HDIPSS Streaming High Definition IP Server

*Dolby is a trademark of Dolby Laboratories

Contents Include:

- 1 Streaming Server
- 1 Adapter
- 1 Instruction Manual

DVQAM-HDM1 / DVQAM-HDM2

Digital QAM Modulators with Component & HDMI Inputs

Features:

- Single channel or Two channel models available
- HDMI, Component & Composite Inputs
- Auto detects inputs
- 3D Compatible
- Dual Mode H.264 / MPEG4 AVC
- Video resolution: up to 1080i for both MPEG2 and MPEG4 (AVC), 1080p in MPEG4 mode
- Perfect, clean, and clear picture on high motion video, sports, text crawls/rolls, etc.
- Front Panel GUI for simple setup
- Rack Mountable for easy installation
- Browser accessible
- Two year warranty

Ordering Information:

DVQAM-HDM1 One channel digital modulator
DVQAM-HDM2 Two channel digital modulator

Description:

The DVQAM-HDM1 and DVQAM-HDM2 modulator series have been designed to convert high definition video and audio signals to QAM DVB-C (Digital Video Broadcasting over Cable). The Dual Mode DVQAM-HDM1 and DVQAM-HDM2 modulators provide single and dual channel inputs, respectively with input format options for HDMI audio and video, component video, composite video and composite audio. Both units feature programmable channel and network names. Adjustable output, virtual channel mapping and adjustable attenuation are embedded as standard features. Their front panel LCD display and controls allow for easy configuration and adjustment. The DVQAM-HDM1 and DVQAM-HDM2 modulators are perfect for multi-video distribution solutions in the commercial market (sports bars, restaurants, casinos, business and digital signage, etc.) as well as home entertainment systems.



DVQAM-1 / DVQAM-2

Digital QAM Modulators with HDMI Inputs

Features:

- Single channel or Two channel models available
- HDMI Inputs
- 3D Compatible
- Composite inputs for close captioning
- Dual Mode H.264 / MPEG4 AVC
- Video resolution: up to 1080i for both MPEG2 and MPEG4 (AVC), 1080p in MPEG4 mode
- Perfect, clean, and clear picture on high motion video, sports, text crawls/rolls, etc.
- Front Panel GUI for simple setup
- Rack Mountable for easy installation
- Browser accessible
- Two year warranty

Ordering Information:

DVQAM-1 One channel digital modulator
DVQAM-2 Two channel digital modulator

Description:

The DVQAM-1 and DVQAM-2 modulator series have been designed to convert high definition video and audio signals to QAM DVB-C (Digital Video Broadcasting over Cable). The Dual Mode DVQAM-1 and DVQAM-2 modulators provide single and dual inputs, respectively. Both units feature programmable channel and network names. Adjustable output, virtual channel mapping and adjustable attenuation are embedded as standard features. Their front panel LCD display and controls allow for easy configuration and adjustment. The DVQAM-1 and DVQAM-2 modulators are perfect for multi-video distribution solutions in the commercial market (sports bars, restaurants, casinos, business and digital signage, etc.) as well as home entertainment systems.





Commercial Modulator Series

...Competitive technologies with compelling value

Commercial Satellite Headend Equipment

**Let us build your next headend and we'll extend the warranty
on the Cabletronix headend equipment to 3 years.**



CT-FMM-19

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



CT-AMM-19

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

**Ask About Our
Special Offers
On Factory
Refurbished And
Working Field
Pulled Equipment
Options To Save!**



CT-SAW860-19

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



CT-FSAM550

Agile Full Size 19" Modulator
55 dB Output, SAW Filtered
Field Tunable to Chs. 2-78

Cabletronix Modulator Series

CT-FMM-19	Fixed channel micro modulator, 50 dB
CT-AMM-19	Agile micro modulator
CTRC-12	12 Modulator rack chassis
CTPS-12	12 Modulator power supply
CTPS-12DUAL	12 Modulator redundant power supply
CTRC-4A	4 Mod. rack chassis w/power supply
CTBP-1	Blank modulator space holder
CT-SAW860-19	Fixed channel full size modulator
CT-FSAM550	Agile full size modulator



Headend Accessories

Commercial
Headend

...Competitive technologies with compelling value

Commercial Satellite Headend Equipment

Rack Mountable Amplifiers



CTA-30RK-550

30 dB Gain, 550 MHz



CTA-30RK-1000

30 dB Gain, 1,000 MHz

Wall Mountable Amplifiers



CTA-30/550

30 dB Forward Gain, 54-550 MHz

CTA-30/870AR

30 dB Forward Gain, 20 dB Reverse Gain,
54-870 MHz Forward, 5-42 MHz Reverse

CTA-35/1000PR

35 dB Forward Gain, Passive Return Path,
54-1,000 MHz Forward, 5-42 MHz Reverse



CTMS-16RKPS

2 x 16 Satellite Multiswitch, 19" Rack Mountable



CTHC-24G

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



CTHC-12G

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

HMDD

Holland Electronics digital off air demodulator with baseband output, closed captioning support, non-volatile memory, agile input and LED channel display



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
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DT-HDMP-1



DT-HDMP-2

Description:

The DataTronix line of Mini Digital Signage Players allow 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. The DT-HDMP-2 model also features front panel control access. 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

DT-HDMP-2 Miniature Digital Signage Player With Front Panel Controls

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.

The DT-HDMI-2 units have HDMI and A/V outputs and ship with a 3.5mm to component cable. These units offer HD through the HDMI output and Y/Pb/Pr through the A/V output with no connectivity for SD.

Contents Include:

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

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			

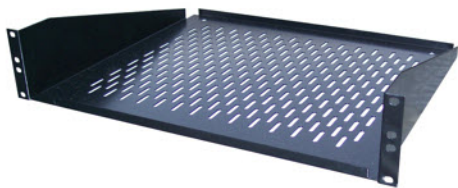


CTOR-36
3' Equipment Rack

CTOR-48
4' Equipment Rack

CTOR-71
6' Equipment Rack

CTOR-84
7' Equipment Rack

**SHELF-SLT****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****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****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****8 Receiver Adjustable Rack Shelf**

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

CT-7PK-D12**7 Receiver Adjustable Rack Shelf**

Holds receivers up to
2 7/16"W x 10 1/8"D

CT-6VRSK**6 Receiver Adjustable Rack Shelf**

Holds receivers up to
2 3/4"W x 9"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.

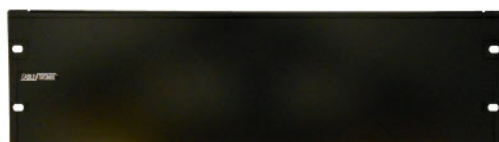
CT-5PK-D
5 Receiver Adjustable Rack Shelf

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

**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 extended to hold H25 power supplies. Holds receivers up to 1 3/16 Inches with 7/8 Inch spacing between receivers.

**CT-FEB-E Series Economy Blank 19" Rack Panels Black Finish****CT-FEB-E-1U**

One Rack Space (1.75"H)

CT-FEB-E-2U

Two Rack Spaces (3.5"H)

CT-FEB-E-3U

Three Rack Spaces (5.25"H)

DT-HCMP Series

19" Rack Mountable Cable Management Panels With Metal Rings, Black Finish



DT-HCMP-1U

One Rack Space (1.75"H)

DT-HCMP-2U

Two Rack Spaces (3.5"H)

DT-HWM Series

19" Wall Mountable Open Racks, Hinged On One Side



DT-HWM-1U

Single Space Wall Mount Rack

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



DT-HWM-2U

Two Space Wall Mount Rack

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

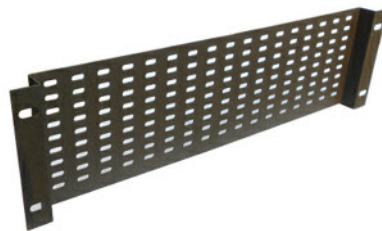
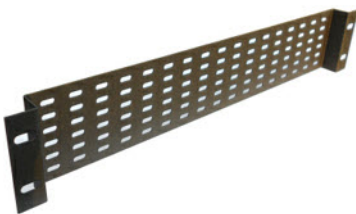


DT-HWM-4U

Four Space Wall Mount Rack

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

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



CT-FEB-2RMP

Two Rack Spaces (3.5"H)

CT-FEB-3RMP

Three Rack Spaces (5.25"H)

Equipment Rack Casters

CT-CASTER-SET4-2WL

Set of 4 commercial grade casters
2 Locking, 2 Non-Locking
Hole patterns match with CTOR Series
rack bases





...competitive technologies
with compelling value

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
CT-FANRK-B-PLUS	Rack mountable, horizontal high velocity triple fan blower, all metal unit

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

Ordering Information

CT-FAN3-RK-B	Rack mountable, vertical high velocity triple fan blower
CT-FAN3-QTRK-B	Rack mountable, vertical high velocity triple fan blower, ultra-quiet model



...competitive technologies
with compelling value

Power Strips & Surge Protectors

CT-PCHRM9

Rack Mountable 9 Outlet Power Strip

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

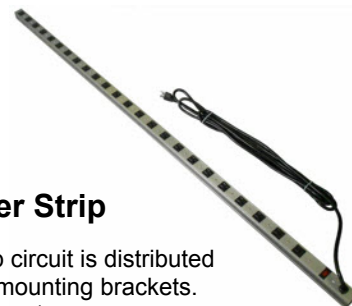


Features:

- 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
- Mounting Brackets Included

CT-PCVRM24-ETL

Rack Mountable 24 Outlet Vertical Power Strip



The CT-PCVRM24-ETL is a 24 outlet vertically rack mountable power center. A single 15 Amp circuit is distributed over 24 total outlets. The CT-PCVRM24-ETL is equipped with a 10' cord, circuit breaker and mounting brackets. The CT-PCVRM24 is housed in a stylish silver metal housing that blends well in most headend systems.

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
- Mounting Brackets Included
- Low profile design

CT-PCVRM12

Rack Mountable 12 Outlet Vertical Power Strip



DATA-TRONIX®

Smart On-Line UPS Backup Series

DT-UPS-1000-SMOL Features:

- 1000VA Capacity
- 4 AC Outlets
- 19" Rack mountable
- Local PC management
- Email notifications
- Audio & Visual Alarms
- Monitors input & output voltage, amps, temperature, battery charge level, battery usage percentage & connection status



The DataTronix brand DT-UPS-1000-SMOL Smart On-Line UPS (uninterruptable power supply) is rated at 1000VA and provides 110VAC at 60Hz power backup for integration in situations where a brownout or power outage can cause a system failure or interruption. The DT-UPS-1000-SMOL continually conditions power and utilizes an array of smart features through either the front panel interface or a PC connection to give the integrator complete control over the power system. The DT-UPS-1000-SMOL features local PC management, email notification, as well as audio and visual alarms in the occurrence of a power event or outage. This component allows monitoring of critical metrics such as input and output voltage, amps, temperature, battery charge level, battery usage percentage, and connection status.



DT-UPS-500 Features:

Rate Capacity: 500VA
Power factor: 0.6
Input: 70 - 145VAC 40-70Hz $\pm 5\%$
Output: 110 - 120 VAC 50-60Hz
Waveform: Square wave (battery mode)
Battery recharge time: 10 hours

DT-UPS-1200 Features:

Rate Capacity: 1200VA
Power factor: 0.6
Input: 70 - 145VAC 40-70Hz $\pm 5\%$
Output: 110 - 120 VAC 50-60Hz
Waveform: Square wave (battery mode)
Battery recharge time: 10 hours

MODEL			DT-UPS-500	DT-UPS-1200
Rated capacity			500VA	1200VA
Input	Range of voltage		70 - 145 VAC	
	Frequency		40 - 70 Hz	
	Power factor		Conformity EN6055 - 2(>=0.95)	
Output	Voltage		110 - 120 VAC	
	Frequency		50/60Hz	
	Voltage adjustment(AVR)		Yes	
	Transfer time		<10ms	
Protection	Peak time		40i/ms	
	Input protection		Fuse	
	Short circuit	Utility power	Fuse	
		Inversion	Auto protection	
Battery	Model		Sealed lead acid maintenance-free battery	
	Capacity		1x12V/6.5Ah	2x12V/7Ah
	Recharging time		10 Hour	
	Protection		Auto protection,auto charging,shut down when the battery voltage is low	
	Standby time(average pc)		8 - 13 Minutes	15 - 30 Minutes
Warning	Buzzer	Battery powered	Buzz once very 4 seconds	
		Low battery voltage	Buzz once every second	
		Overload	Auto shutdown	
	LED Indicator		Green light on: AC normal Red light on: battery mode	
Working environment	Operating temperature(°F)		23 ^{oF} - 104 ^{oF}	
	Relative temperature(%)		0-90%	
	Noise(dB)		<35dB (Distance is one meter)	
SIZE(WxDxH)Inches			13.4 x 3.54 x 5.5	13.6 x 4.8 x 7.5
Weight			11.68 lbs.	23.15 lbs.

Ordering Information:

DT-UPS-500 500VA UPS Backup
DT-UPS-1200 1200VA UPS Backup



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

The next generation of HDMI cable is here!

Check out these new 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-90S
90 Degree HDMI
Swivel Adapter

CT-HD-F/F
HDMI Female To
HDMI Female
Adapter



Ordering Information:

CT-HDVC-3	3' HDMI Cable
CT-HDVC-6	6' HDMI Cable
CT-HDVC-10	10' HDMI Cable
CT-HDVC-15	15' HDMI Cable
CT-HDVC-30	30' HDMI Cable
CT-HDVC-50	50' HDMI Cable

CT-HDVC-3S	3' HDMI Cable with swivel head
CT-HDVC-6S	6' HDMI Cable with swivel head
CT-HDVC-10S	10' HDMI Cable with swivel head
CT-HDVC-15S	15' HDMI Cable with swivel head

CT-HM-DF-ADAP HDMI Male to DVI Fem. Adapter

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

DT-HDVC-EC3	3'
DT-HDVC-EC6	6'



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CT-EDID-1

HDMI Extended Display Identification Data (EDID) Emulator

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



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.

Specifications:

HDMI Resolution Support	24/50/60fs/1080P/1080i/720p/576p/576i/480P/480i/24/30/2160P
HDMI In/Out Audio Format Support	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
HDMI Max bandwidth	340 MHz
HDMI Max baud rate	10.2Gbps
HDMI Input cable distance	≤15 feet AWG26 HDMI standard cable
HDMI Output cable distance	≤15 feet AWG26 HDMI standard cable
Max working current	100mA
Operating Temperature range	(32°F - 104°F)
Operating Humidity range	5 to 85% RH (No Condensation)
Storage Temperature range	(23°F - 113°F)
Storage Humidity range	0 to 90% RH (No Condensation)
Product size (L x W x H)	2.07 x 1.9 x 7.9 (in) / 52.5 x 48.5 x 20 (mm)
Weight	2.82oz / 80g

Package Contents:

1 CT-EDID-1 Locker
1 Manual



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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



CT-HDVD2X2SPL
2 Input, 2 Output HDMI Splitter



CT-HDVD-MINI1X4SPL
1 Input, 4 Output HDMI Splitter



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 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

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



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

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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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

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



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

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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Features:

- Distributes HDMI signal over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 120' from sources up to 1080p
- 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 V1.3b supported
- HDCP compliant
- LED indicators indicate power and video signal status
- Internal ESD protection
- Mounting ears included
- Supports two way Infrared control signals
- Units can be cascaded



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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 V1.4 supported
- HDCP compliant
- Supports 1080p @ 60Hz @ 48 b/pixels, 3D and 4Kx2K
- LED indicators indicate power and video signal status
- Internal ESD protection
- Wall mountable
- Supports two way Infrared control signals
- Units can be cascaded

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





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CT-HDBASET-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



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CT-HDVD-EXT-RG-IR195

HD Over a Single Coaxial Cable

Features:

- Distributes HDMI signal over a single coaxial cable
- Extends transmission distance up to 195' from sources up to 1080p
- No settings or adjustments required
- Uses a single coaxial cable
- Auto-adjustment of feedback, equalization & amplification
- HDMI V1.3 supported
- HDCP compliant
- Supports 1080p @ 60Hz
- LED indicators indicate power and video signal status
- Internal ESD protection
- Mounting ears included
- Supports two way Infrared control signals
- Units can be cascaded.





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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

Description:

The CableTronix CT-HD/VGA-CONV is a high definition video converter which accepts and 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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Features:

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

Description:

The CableTronix CT-VGA/HD-CONV is a high definition video converter which accepts and 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

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.

CT-HD-RPTR In Line HDMI Repeater



NEW!



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Video Baluns, Splitters & Converters

DT-1X2VGASP 1 X 2 VGA Splitter

Features:

- Designed to split a single VGA source to two VGA destinations
- 9VDC Power supply included
- 15 Pin VGA/SVGA
- 250 MHz Bandwidth
- 1920 x 1440 resolution at 60Hz



Also available:

DT-1X4VGASP 1 X 4 VGA Splitter

CT-RGB/HD-CONV RGB to HDMI® Converter

Features:

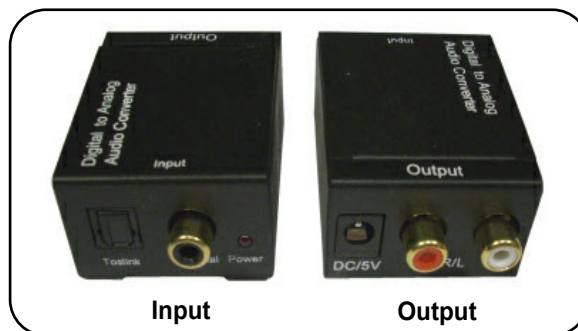
- Allows you to connect YPbPr HDTV sources to an HDMI display
- Encodes digital audio onto the video signal for HDMI video & audio
- Supports HDTV/YPbPr
- Supports HDTV resolution up to 1080p



CT-DTA-TOSLINK Digital To Analog Audio Converter

Features:

- Converts digital audio to analog audio
- Toslink or RCA digital audio input
- Left and Right RCA audio output
- Power supply included
- Low profile design
- Perfect for connecting a digital audio source to an older tuner or television without digital audio inputs



ST-VGA/RCA VGA to Baseband Video Converter

Features:

- 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





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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)



Top View



Side View - Inputs 1 & 5, Output



Side View - Inputs 2, 3 & 4



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



DA-71HP 1 x 7 Composite Video & Audio Splitter / Amplifier

Features:

- Splits one composite video along with left and right audio signals to up to four viewing locations
- All RCA connections
- Gain: 2 Volt unterminated, 1 Volt terminated
- Multiple units can be cascaded to provide more outputs
- Low profile, wall mountable plastic housing
- Power supply included





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CT-HDVD-FIBEXT 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 LCPM7.1, 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



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CTARM Series Residential Digital Agile Modulators With Infrared Capability



CTARM-4IR

Four Channel Modulator
Digital Tuning, Agile Output,
With IR Capabilities



CTMM-10

Single Channel
Modulator Digital Tuning,
Agile Output



CTARM-2SV

Two Channel Modulator
With S-Video Inputs, Digital
Tuning, Agile Output



...acoustically designed
for a sound investment

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

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 as each



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



SD-MA240W Four Zone Audio Mixing Amplifier

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



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 custom home integrator in mind. Designed for commercial or residential use, these mixing amplifiers are perfect for a wide variety of custom installations.



*...acoustically designed
for a sound investment*

6.5" Low Profile Outdoor Rock Speaker SD-LPSPKR-6.5

Features:

- 6.5" Weatherproof outdoor speaker
- Perfect for gardens, playgrounds and theme parks
- 80 Hz - 20 Khz Frequency response
- Mineral filled polypropylene cone woofer
- 60 Watts RMS power
- Titanium dome tweeter
- 8 Ohm Impedance
- Sold individually



Home
Theater

Weatherproof Outdoor Speaker SD-ODS-GN

Features:

- 5.25" Weatherproof outdoor speaker
- Perfect for gardens, playgrounds and theme parks
- UV Protected
- 360° Horizontal x 40° vertical coverage
- 60 Hz - 20 Khz Frequency response
- Mineral filled polypropylene cone woofer
- 60 Watts RMS power
- Titanium dome tweeter
- 8 Ohm Impedance
- Sold individually



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

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
- Sold individually





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Wall Mounts For LCD Televisions & Monitors

CT-LCD-201B Flush Wall Mount For LCD Television/Monitor



Specifications:

- Steel material
- Easy mounting
- For VESA standard 75 / 100mm
- Max. loading capacity: 30kg / 66lbs

CT-LCD-201L-B Flush Wall Mount For LCD Television/Monitor



Specifications:

- Steel material
- Easy mounting
- For VESA standard 50 / 75 / 100 / 200 x 100 / 200 x 200mm
- Max. loading capacity: 30kg / 66lbs

CT-LCD-502A-B Swivel/Tilt Wall Mount For LCD Television/Monitor



Specifications:

- For VESA standard 50/75/100/200/200X100MM
- Tilt upwards and downwards up to 20°
- Max loading capacity: 20kg/44lbs
- Swivels left and right up to 190°
- With cable management
- Hardware included
- Steel material
- Color: black

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



Specifications:

- 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
- Black finish

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



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"

CT-LCD-302-B Swiveling / Tilting Wall Mount For LCD Television/Monitor



Specifications:

- For VESA standard 75 / 100mm
- Max. Loading capacity: 15kg / 33lbs
- Steel material
- Black finish
- Easy mounting

Wall Mounts For Plasma or LCD Televisions & Monitors



CT-LCD-142B LCD Bracket Mount For 10"-23" LCD or LED TVs

- Tilt: 15 degree up/down, Swivel: 180°
- VESA: 75x75/100x100
- TV to Wall: 3.47" (88mm) - 9.77" (248mm)
- Loading Capacity: 15kg/33lbs.

CT-PLB-14B

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-PLB-41E 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.

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

Specifications:

- Universal ceiling bracket adapter for plasma/LCD mounts
- Max loading capacity: 176lbs
- Color: Black
- Rotates 360 degrees
- Mast adjusts from 34.28" - 61.47"

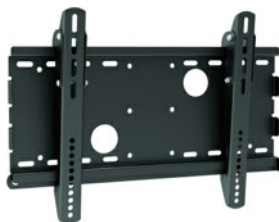
**Must be used in conjunction with
a CT-PLB series wall mount**



CT-PLB-3 Wall Mount For Plasma Or LCD Television/Monitor

Specification:

- Max. loading capacity: 165lbs
- Universal support with a fixed inclination for large Plasma and LCD TVs
- Modern streamlined design
- Ideal for 23" to 36" plasma TV
- 0° to 5° Adjustable tilt
- Black finish
- 20.1" Back Plate



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



CT-PLB-18B Black

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





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.



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.



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



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



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



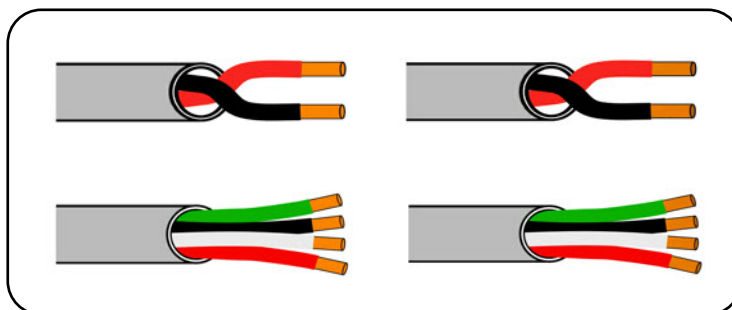
CT-PA-948
**Double Arm Cantilever
LCD/PDP Wall Bracket Mount**

- 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

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



18 Awg, 2 Conductor, 1,000' Spool
18 Awg, 4 Conductor, 500' Spool
16 Awg, 2 Conductor, 1,000' Spool
16 Awg, 4 Conductor, 500' Spool
14 Awg, 2 Conductor, 500' Spool
14 Awg, 4 Conductor, 500' Spool
22 Awg, 2 Conductor, 500' Spool
22 Awg, 4 Conductor, 500' Spool

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.

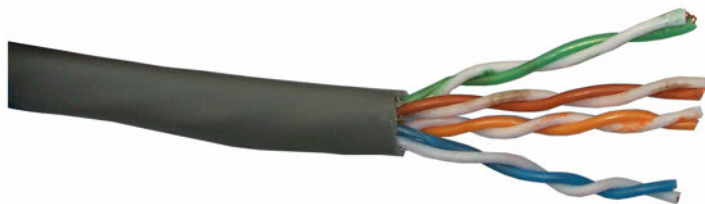
Part #	Description	External Jacket Color	Internal Jacket Colors
CT-18/2/STR/1000/GY	18 AWG, 2 Conductor, Stranded	Gray	Red, Black
CT-18/4/STR/500/GY	18 AWG, 4 Conductor, Stranded	Gray	Red, Black, White, Green
CT-16/2/STR/1000/GY	16 AWG, 2 Conductor, Stranded	Gray	Red, Black
CT-16/4/STR/500/GY	16 AWG, 4 Conductor, Stranded	Gray	Red, Black, White, Green
CT-14/2/STR/500/GY	14 AWG, 2 Conductor, Stranded	Gray	Red, Black
CT-14/4/STR/500/GY	14 AWG, 4 Conductor, Stranded	Gray	Red, Black, White, Green
CT-22/2/SOL/500/GY	22 AWG, 2 Conductor, Solid	Gray	Red, Black
CT-22/4/SOL/500/GY	22 AWG, 4 Conductor, Solid	Gray	Red, Black, White, Green

Part #	Strand #	Strand Diameter	Nominal Cap. / ft.	Jacket Rating	Package Type	Weight
CT-18/2/STR/1000/GY	16	0.25mm	17	CL3	1000' Spool	22 lbs.
CT-18/4/STR/500/GY	16	0.25mm	17	CL3	500' Spool	20 lbs.
CT-16/2/STR/1000/GY	26	0.25mm	18	CL3	1000' Spool	31 lbs.
CT-16/4/STR/500/GY	26	0.25mm	18	CL3	500' Spool	27 lbs.
CT-14/2/STR/500/GY	19	0.37mm	19	CL3	500' Spool	25 lbs.
CT-14/4/STR/500/GY	19	0.37mm	19	CL3	500' Spool	42 lbs.
CT-22/2/SOL/500/GY	1	0.64mm	22	CL3	500' Spool	7 lbs.
CT-22/4/SOL/500/GY	1	0.64mm	22	CL3	500' Spool	9 lbs.

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



Physical Characteristics:

Number Of Conductor Pairs	4
Size	24 Awg
Insulation Diameter	0.880+/-0.005mm
Conductor Material	Solid Bare Copper
Shield Material	Unshielded
Rip Cord	Yes
Insulation Material	HDPE
Conductor Diameter	0.480+/-0.003mm
Insulation Average Thickness	0.190mm
Jacket	CM-PVC
Outer Jacket Average Wall Thickness	0.51mm
Outer Jacket Nominal O.D.	5.2+/-0.2mm

Mechanical Characteristics:

Temp. Rating - Installation	-4°F to +70°F
Temp. Rating - Operation	-4°F to +70°F
Max. Pulling Force	25 lbs.
Rated Temperature / Voltage	5000 V/km

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

Electrical Characteristics:

Max. Conductor DC Resistance	≤9.5Ω/100 Meters @ 68°F
Max. DC Resistance Unbalanced	≤2.5% @ 68°F
Max. Pair-to-Pair Ground Cap. Unbal.	≤330pF / 100 Meters
Characteristic Imp.	100 +/-15Ω (1-100 MHz)
Mutual Capacitance	≤5.6nF / 100 Meters
Max. Delay Skew	≤45 nS / 100 Meters

Color Coding Of Pairs:

Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown

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



CAT5E-WBLOCK-BLK 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

CAT5E-SHLD-BL 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

Physical Characteristics:

Number Of Conductor Pairs	4
Size	23 Awg
Insulation Diameter	1.05+/-0.005mm
Conductor Material	Solid Bare Copper
Shield Material	Unshielded
Rip Cord	Yes
Insulation Material	HDPE
Conductor Diameter	0.565+/-0.003mm
Insulation Average Thickness	0.2mm
Jacket	Flame Retardant CM-PVC
Outer Jacket Average Wall Thickness	0.55mm
Outer Jacket Nominal O.D.	6.3+/-0.2mm

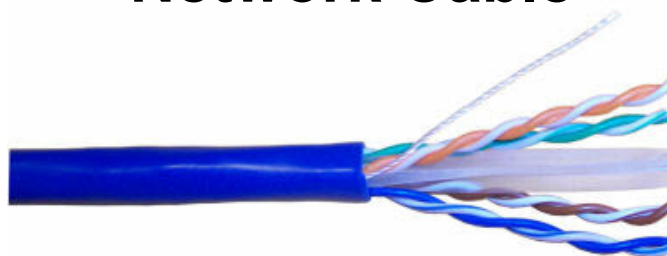
Mechanical Characteristics:

Temp. Rating - Installation	-4°F to +70°F
Temp. Rating - Operation	-4°F to +70°F
Rated Temperature / Voltage	5000 V/km

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

Category 6a UTP Network Cable



Electrical Characteristics:

Max. Conductor DC Resistance	≤9.5Ω/100 Meters @ 68°F
Max. DC Resistance Unbalanced	≤2.5% @ 68°F
Max. Pair-to-Pair Ground Cap. Unbal.	≤330pF / 100 Meters
Characteristic Imp.	100 +/-15Ω (1-100 MHz)
Mutual Capacitance	≤5.6nF / 100 Meters
Max. Delay Skew	≤45 nS / 100 Meters

Color Coding Of Pairs:

Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown



CAT6-WBLOCK-BLK

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

Riser Rated Cat6A Network Cable, 10 Gig Rated

Features:

- 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

Plenum Rated Cat6A Network Cable, 10 Gig Rated

Features:

- 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



**CAT5E-SHLD-PL-BL**

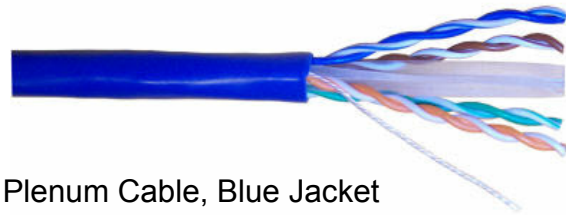
Category 5e 24 AWG, 4 Pair Twisted, Shielded Plenum Cable, Blue Jacket

**CAT6-SHLD-PL-BL**

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

**CAT5E-PL-BL**

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

**CAT6-PL-BL**

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

**CAT6-SHLD-BL**

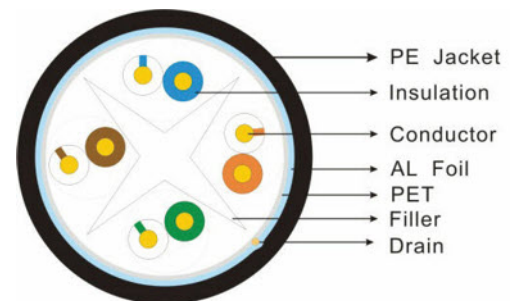
Category 6 23 AWG, 4 Pair Twisted, Shielded, 550 MHz, Blue Jacket

**CAT5E-DBGEL-BLK**

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

CAT6-WBLOCK-SHLD-BLK

- Category 6, 23 AWG, 4 Pair Twisted
- Outdoor Direct Burial
- Black Jacket
- Polyethylene Tape
- Overall Aluminum foil shield
- With drain wire
- Plastic inner spline

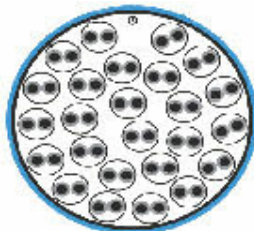




DT-CAT5E-AER

Aerial Outdoor Cat5e with Attached Messenger Wire

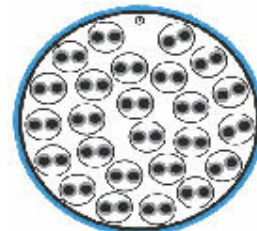
- Rated to 350 Mhz
- 24 Awg, 4 Pair UTP
- With overall aluminum foil shield and Polyethylene tape
- Black LLDPE jacket
- Exceeds TIA/EIA 568.C.2 and ISO/IEC 11801 Category 5e performance standards
- Attached steel messenger wire
- Internal drain wire & rip cord



CAT5E-25PR

25 Pair Cat5e UTP Cable, 350 MHz Rated

- ET Listed type CMR
- C(ETL) Listed CMG FT4
- ETL Verified to TIA - 568-C.2 and ISO/IEC 11801
- 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)



CAT3-25PR

25 Pair Cat3 UTP Cable

- ET Listed type CMR
- C(ETL) Listed CMG FT4
- ETL Verified to TIA - 568-C.2 and ISO/IEC 11801
- 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)

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



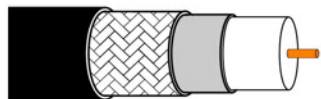
	Black Jacket	White Jacket
Length		
12"	J12-DRE	J12-DRE-WT
18"	J18-DRE	J18-DRE-WT
24"	J24-DRE	J24-DRE-WT
36"	J36-DRE	J36-DRE-WT
48"	J48-DRE	J48-DRE-WT
60"	J60-DRE	J60-DRE-WT
72"	J72-DRE	J72-DRE-WT
84"	J84-DRE	J84-DRE-WT
96"	J96-DRE	J96-DRE-WT
120"	J120-DRE	J120-DRE-WT

Coaxial Cables

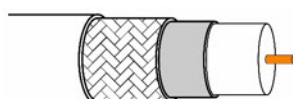


...competitive technologies
with compelling value

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



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



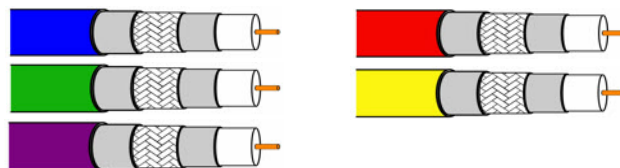
RG6QU-RB-BLK
RG-6 Quad, Black Jacket
UL Listed, CCS Center



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



RG59UHE-*
RG-59 Headend Cable,
2 Full Coverage Foils and 1 95% Braid



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

RG6QL-RL-BLK
RG-6 Quad Light, Black
Jacket, CCS Center



RG6QL-RL-WT
RG-6 Quad Light, White
Jacket CCS Center



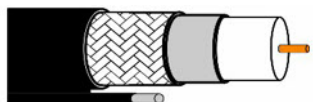
RG6QU-RB-BLK-BC
RG-6 Quad, White Jacket
UL Listed, Solid Copper Center



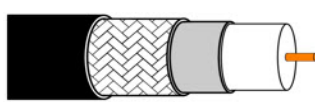
RG6QU-RB-WT-BC
RG-6 Quad, White Jacket
UL Listed, Solid Copper Center



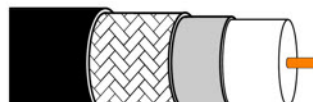
RG6U-RL-MSNGR
RG-6, Black PVC Jacket,
With Messenger, CCS Center



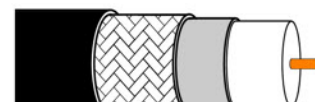
9066
Belden RG-6 Direct Burial,
Black Jacket, CCS Center



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

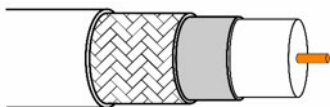


RG11U-RL
RG-11, Black PVC Jacket, 3 GHz
UL Listed, CCS Center

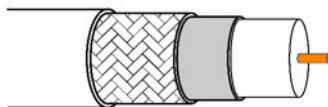


Plenum Coaxial Cables

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



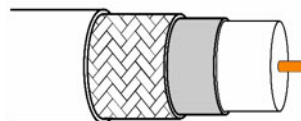
RG6UP-RL-1000
Plenum RG-6 Cable, 3 GHz,
CCS Center, 1,000' Spool



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



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



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

NACE Brands

email: info@nacebrands.com

web: www.nacebrands.com

CCTV CABLE-*.*

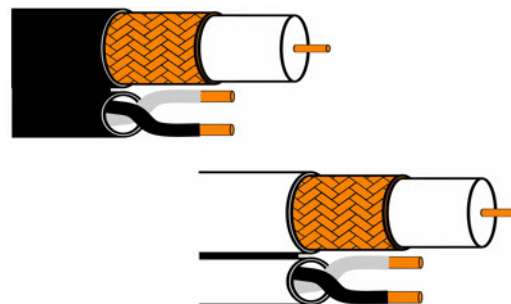
RG-59 Video Cable

With Attached 18-2 Cable



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



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.



H59+182JOSPBK2

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



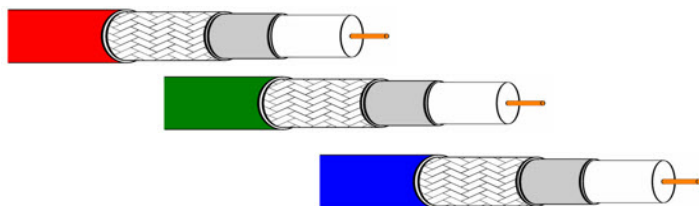
H59+182JOSPBK3-500

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



Plenum Siamese RG-59 with Attached 18 AWG, 2 Conductor Power Cable, White Jacket, H59+182PWH2 1,000' Reel H59+182PWH3 500' Reel

Miniature Precision Video Cables For Analog & Digital



Ordering Information:

CT-1855-1-RED	Red jacketed single cable
CT-1855-1-GREEN	Green jacketed single cable
CT-1855-1-BLUE	Blue jacketed single cable

Ordering Information:

CT-1855-5-RGB	5 Conductor Miniature RGB Video & RF Cable
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VGA/SVGA Computer Monitor Cables



DT-VGAVC-6	6' VGA HD15 Male to Male Cable
DT-VGAVC-10	10' VGA HD15 Male to Male Cable
DT-VGAVC-15	15' VGA HD15 Male to Male Cable
DT-VGAVC-25	25' VGA HD15 Male to Male Cable
DT-VGAVC-50	50' VGA HD15 Male to Male Cable
DT-VGAVC-75	75' VGA HD15 Male to Male Cable
DT-VGAVC-100	100' VGA HD15 Male to Male Cable



FF-R
"F" Female To
RCA Male Adapter



RCA-F
RCA Female To
F Male Adapter



200-108 (FTOBNC)
F Male To BNC Female



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

260-003BL	3'
260-006BL	6'
260-012BL	12'



902A
RCA Double Female Splice



254-006OR 6'
254-012OR 12'
S/PDIF Digital
Cable RCA-RCA



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.

Plastic Outlet Boxes with Adjustable Screw Mounts



CT-LVB-DBL
Double Gang



CT-LVB-SGL
Single Gang



255-048
6' Y Adapter
2 RCA Female to 3.5mm Stereo Male



255-037
6' Y Adapter
2 RCA Male to 3.5mm Stereo Male



255-038
6' Y Adapter
2 RCA Female to 3.5mm Stereo Male



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

255-255	2'
255-258	6'
255-262	12'
255-264	25'
255-272	50'



3.5mm Stereo Male to Male
Patch Cable

255-265	6'
255-268	12'
255-269	25'
255-274	50'



3.5mm Stereo Male to Female
Patch Cable

Thomas & Betts Snap-N-Seal F Connectors

1 Piece Connectors

SNS1P59 RG-59, orange band
 SNS1P59QS RG-59 Quad shield, green band
 SNS1P6 RG-6, blue band
 SNS1P6QS RG-6 Quad shield, purple band
 SNS1P59HEC RG-59 Headend Cable, white band



SNS6PLA

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



CT-F11-1P

One Piece Hex Crimp
 Style F Male Connector
 for RG-11



FS-11

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



FS11PL

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



CTL-102U
 Compression
 Crimping Tool



CT-FTOOL-16
 F-Type Insertion
 Extraction Tool

CT-BNCTOOL-16
 BNC Insertion
 Extraction Tool

F-71
 F Male to F Male Adapter



PPFAM-*
 3 GHz F Attenuator Pad



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

FAM-*
 1 GHz F Attenuator Pad



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

VBC-HR
 Voltage Blocking Coupler,
 High Return Loss



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



PF-59
 Push On F Male Adapter



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



F-90
 Right Angle F Adapter



RG-6 Single Screw Clip
 With 1/2" Screw in depth &
 Channel For Ground Wire



RG-6 Dual Screw Clip
 With 1/2" Screw in depth &
 Channel For Ground Wire



300-072
 Red Scotchlock Style
 Connector



300-070
 B-Wire Crimp Connector
 Suitable for 19-26 AWG Wire



FC-1B Black
FC-1W White

FC-2B Black
FC-2W White

300-077
 Gel Filled

NACE Brands

email: info@nacebrands.com

web: www.nacebrands.com

Compression RCA & BNC Connectors For RG-59 & RG-6



CT-BNC6C
Compression BNC
Male Connector For
RG-6, Two Piece



CT-BNC59C
Compression BNC
Male Connector For
RG-59, Two Piece



CT-BNC59C-1P
Compression BNC
Male Connector For
RG-59, One Piece



CT-RCA59CSP
Compression RCA
Male Connector For
RG-59, Two Piece



CT-RCA6CSP
Compression RCA
Male Connector For
RG-6, Two Piece

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 its 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 its 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	Replacement pin for CT-BNC59C
CT-BNC6C-PIN	Replacement pin for CT-BNC6C
CT-RCA59CSP-PIN	Replacement pin for CT-RCA59CSP
CT-RCA6CSP-PIN	Replacement pin for CT-RCA6CSP



BFA
"F" Female To
BNC Male Adapter



RCATOBNC
RCA Female To
BNC Male Adapter



CT-BNC-DF
(200-160)
BNC Double Female
MIL#UG-914/U



CT-BNCTORCA
(200-170)
RCA Male To
BNC Female

24 & 48 Port Cat6 Patch Panels



Description:

The DT-CAT624P and DT-CAT648P 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-CAT6 series of patch panels are also reverse compatible to meet Category 5 and Category 5e specifications.

Ordering Information:

DT-CAT624P	24 Port Cat6 Patch Panel
DT-CAT648P	48 Port Cat6 Patch Panel



24 Port Cat6 Patch Panel With LED Indicators

Description:

The DT-CAT624P-LED is a 24-port Category 6 patch panel with light identification, in which LED's are embedded above each port, allowing the installer to identify ports and troubleshoot a network. These patch panels feature an LED above each port. By injecting a signal with the optional DT-FLX-CPCTR LED handheld transmitter at the wall plate end, port paths are immediately identified, and cabling faults exposed. Problems associated with hard to hear tones is a thing of the past. Tracing ports, finding faults, especially with two technicians makes port identification lightning fast.

These panels support T568A and T568B wiring configurations, are FCC subpart 68 compliant and provide complete 256MHz bandwidth. The DT-CAT6 series of patch panels are also reverse compatible to meet Category 5 and Category 5e specifications.

Ordering Information:

DT-CAT624P-LED	24 Port Cat6 Patch Panel With LEDs
DT-FLX-CPCTR	LED Handheld Transmitter

Package Contents:

- One DT-CAT624P-LED Patch Panel
- One Installation Manual

DT-FLX-CPCTR
LED Handheld Transmitter



DATA-TRONIX®

24 Port Shielded Cat6 Patch Panels

Features:

- 24 Ports
- Shielded housing
- Individual shielded ports
- 19" Rack mountable
- Includes cage nuts and rack screws
- Rear cable management and grounding wire
- Tool free design
- Suitable for 22-26 Awg stranded or solid wire
- ANSI/TIA/EIA-568 compliant

Description:

The DT-ESHPP-624P is a 24-port shielded Category 6 patch panel designed for Gigabit Ethernet network applications. This panel supports T568A and T568B wiring configurations, is FCC subpart 68 compliant and provides complete 256MHz bandwidth. The DT-ESHPP-624P patch panel is also reverse compatible to meet Category 5 and Category 5e specifications.

Ordering Information:

DT-ESHPP-624P 24 Port Shielded Cat6 Patch Panel



DATA-TRONIX®

24 Port Shielded Cat6a Patch Panels

Features:

- Cat6a rated
- 24 Ports
- Individually shielded snap in modules
- 19" Rack mountable
- Includes cage nuts and rack screws
- Rear cable management and grounding wire
- Tool free design
- Suitable for 22-26 Awg stranded or solid wire
- ANSI/TIA/EIA-568 compliant

Description:

The DT-USHPP-624P is a 24-port shielded Category 6a (augmented) patch panel designed for Gigabit Ethernet network applications. This panel supports T568A and T568B wiring configurations, is FCC subpart 68 compliant and provides complete 500MHz bandwidth. The DT-USHPP-624P patch panel is also reverse compatible to meet Category 5 and Category 5e specifications.

Ordering Information:

DT-USHPP-624P 24 Port Shielded Cat6a Patch Panel



10/100 Fast Ethernet Desktop Switches

Features:

- Complies with IEEE 802.3, IEEE 802.3u standards
- Five, 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	5, 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	1G (5 Port), 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-05PT100M

**5 Port 10/100
Fast Ethernet Switch**



DT-08PT100M

**8 Port 10/100
Fast Ethernet Switch**



DT-16PT100M

**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

16 Port 10/100 Fast Ethernet Switch



DT-24PT100M-RM

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

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

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
DHCP	Server, Client, DHCP Client List, Address Reservation
Quality of Service	WMM, Bandwidth Control
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
Dynamic DNS	DynDns, Comex, NO-IP
VPN Pass-Through	PPTP, L2TP, IPSec (ESP Head)
Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall 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.



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Modular Wall Plate Systems



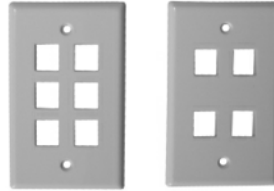
CT-KEY-BNC
BNC Insert, White



CT-KEY-3.5MM
3.5mm Stereo Audio Insert, White

CT-KEY-WP1WH
CT-KEY-WP2WH
CT-KEY-WP3WH
CT-KEY-WP4WH
CT-KEY-WP6WH

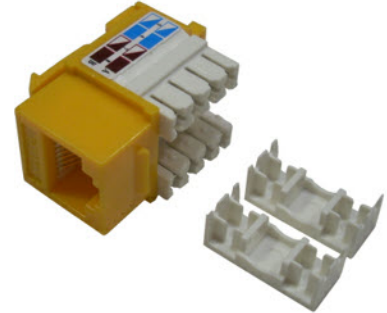
One Snap In Cavity
Two Snap In Cavities
Three Snap In Cavities
Four Snap In Cavities
Six Snap In Cavities



CT-KEY-CAT3
Category 3 Keystone Insert,
Voice Grade, White



CT-KEY-CAT5E
Category 5e Keystone Insert,
Data Grade, Blue



CT-KEY-CAT6
Category 6 Keystone Insert,
Data Grade, Yellow



CT-KEY-FINS-HF
F Female Insert, 3GHz,
White



CT-KEY-BLANK
Blank Insert, White



CT-KEY-HD
HD Insert, White



**Keystone Style Snap-In
Speaker Wire Binding Post**
CT-KEY-AUDIO WH/B
White plastic, black band



CT-KEY-RCA-RD
RCA Insert, Red



CT-KEY-RCA-WH
RCA Insert, White



CT-KEY-RCA-YL
RCA Insert, Yellow



CT-KEY-AUDIO WH/R
White plastic, red band

Cat5e Patch Cables

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

DT-C5PC-1*	1' Cat5e UTP patch cord
DT-C5PC-1.5*	1.5' Cat5e UTP patch cord
DT-C5PC-2*	2' Cat5e UTP patch cord
DT-C5PC-3*	3' Cat-5e UTP patch cord
DT-C5PC-5*	5' Cat-5e UTP patch cord
DT-C5PC-7*	7' Cat-5e UTP patch cord
DT-C5PC-10*	10' Cat-5e UTP patch cord
DT-C5PC-15*	15' Cat-5e UTP patch cord
DT-C5PC-25*	25' Cat-5e UTP patch cord
DT-C5PC-50*	50' Cat-5e UTP patch cord
DT-C5PC-75*	75' Cat-5e UTP patch cord
DT-C5PC-100*	100' Cat-5e UTP patch cord

DATA-TRONIX®



**Individually Packaged
For Retail Display**

***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

DT-C6PC-1*	1' Cat6 UTP Patch Cord	DT-C6PC-10*	10' Cat6 UTP Patch Cord
DT-C6PC-1.5*	1.5' Cat6 UTP Patch Cord	DT-C6PC-15*	15' Cat6 UTP Patch Cord
DT-C6PC-2*	2' Cat6 UTP Patch Cord	DT-C6PC-25*	25' Cat6 UTP Patch Cord
DT-C6PC-3*	3' Cat6 UTP Patch Cord	DT-C6PC-50*	50' Cat6 UTP Patch Cord
DT-C6PC-5*	5' Cat6 UTP Patch Cord	DT-C6PC-75*	75' Cat6 UTP Patch Cord
DT-C6PC-7*	7' Cat6 UTP Patch Cord	DT-C6PC-100*	100' Cat6 UTP Patch Cord



**Individually Packaged
For Retail Display**

***Available in Blue, Yellow, Gray, Green, Black or White.
Please specify color when ordering.**



CT-C5MP
Cat5e Modular Plug
8 Pin, 8 Position



CT-C6MP
Cat6 Modular Plug
8 Pin, 8 Position

Features:

- Test RJ45, RJ11 and BNC connections
- Tests for wiring continuity and open shorts
In distribution cabling
- Handheld, light weight, low profile design
- Battery powered
- Easy to use
- Affordable

Description:

The Datatronix DT-RJ45/11/BNC-TEST is a very simple to use meter for testing unshielded twisted pair, shielded twisted pair and coaxial cable connections. This unit has simple, easy to understand instructions and operates on a single 9-volt battery (not included). The unit features a simple on/off switch and an "S" setting for slowing down the testing speeds. It will test for pin functionality, shorts, breaks in the line and continuity.

Ordering Information:

DT-RJ45/11/BNC-TEST Multi-Network Cable Tester

Package Contents:

- One DT-RJ45/11/BNC-TEST Meter (2 Piece Unit)
- One BNC Remote Terminator
- One Carrying Case
- One Instruction Manual



Features:

- Test RJ45, RJ11, 1394, USB (Type A & B) and BNC connections
- Tests for wiring continuity and open shorts
In distribution cabling
- Handheld, light weight, low profile design
- Battery powered
- Easy to use
- Affordable

Description:

The Datatronix DT-5X1-TEST is a simple, effective unit for testing RJ-45, RJ-11, 1394 (Firewire), USB and BNC connections. The unit has a visible LED interface that displays pin and wire status. This unit can effectively test for continuity, miswiring and shorts. This unit has simple, easy to understand instructions and operates on a single 9-volt battery (not included).

Ordering Information:

DT-5X1-TEST Multi-Network Cable Tester

Package Contents:

- One DT-5X1-TEST Meter (2 Piece Unit)
- One BNC Remote Terminator
- One Carrying Case
- One Instruction Manual





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CT-DLM870D Digital / Analog Signal Level Meter

Features:

- Direct input by frequency from 5 MHz - 870 MHz
- Direct input by channel number
- DVB average power measurement
- Measures QAM 16/32/64/128/256, 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

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



CT-SLM828A Analog Signal Level Meter

Features:

- Measures analog RF signals from 46-870 MHz
- Tunes by channel number or frequency
- Carrier to Noise (C/N) measurement
- Measures Video & Audio carrier levels
- Measures line voltage
- Long battery life
- Backlit display

Contents Include:

- 1 Meter
- 1 Shoulder Strap
- 1 AC Charger
- 1 Instruction Manual

Description:

The CT-SLM828A is a hand held analog signal level meter that was designed as an economical solution for RF signal distribution signal measurement. This unit is perfect for balancing headend systems, troubleshooting RF distribution systems and taking measurements at individual drops. With the ability to read individual audio and video carriers along with line voltage and carrier to noise levels, the CT-SLM828A is perfect for all levels of installers and technicians.

Ordering Information:

CT-SLM828A	RF Signal level meter
CT-SLM828A-BATT	Replacement battery
CT-SLM828-SOFTCASE	Replacement carrying case



IP Buddy+ IP & Analog Surveillance Camera Test Monitor & Installation Tool

Features:

- 7 inch LCD touch screen 1024×600
- 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
- HDMI signal output, supports 1080p
- Analog camera image display, auto adapts and display NTSC or PAL video formats
- 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
- LED Lamp, easy to operate at night
- Removable micro SD card
- LCD screen with brightness/contrast/color saturation adjustment
- 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
- PEAK video signal level, SYNC signal level, Color burst chroma level measurement & test video signal attenuation
- Cable tracing by sending an audio signal, enables the blue cable tracer tester to find the connected cable bundles
- Ping test for testing connected IP cameras or other network equipment's Ethernet port function and to determine if the IP address is correct
- Quick search for the connected IP camera or other network device's IP address
- Cable test, Test LAN cable, telephone cable or UTP cable, cable type and the sequence of wires will be displayed
- PTZ protocol analysis, control protocol command displays to check RS485 transmission
- PTZ control, Pan/tilts the P/T unit, zooms lens in and out, adjusts the focus, aperture and sets preset positions
- 7.4V 48.1Wh Battery energy display, Lithium Ion Polymer Battery can last 16 hours of normal use after charging for 8 hours
- 2 Year Limited Warranty

Description:

The ST-IP-TEST 7 inch touch screen IP camera tester is designed for maintenance and installation of both IP cameras and analog cameras as well as other security equipment. It's 1024 x 600 resolution enables it to display images from network HD cameras and analog cameras in top quality. The unit supports both ONVIF PTZ and analog PTZ control. A combination of touch screen and push buttons make the IP camera tester very user friendly. In addition the tester is also a great tool for Ethernet networks and cabling systems. It can test PoE voltage and is capable of IP address searching. It can diagnose the location of a coaxial cable or network cable's short circuit and open circuit.

Through audio signal generation the blue cable tracer tester can find connected cables from unorganized or unlabeled cable bundles and includes the ability to test LAN cable or telephone cable types while verifying the sequence of the individual conductors. Other functions include 24W PoE power supply, LED Lamp and DC 12V 2A power output. The meters portability, user-friendly design and multi-function capability make it an essential tool for installers and technicians, greatly improving work efficiency and simplifying installations and system maintenance.

Ordering Information:

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



Contents Include:

- 1 CCTV Test Meter
- 1 Instruction Manual
- 1 Carrying Case
- 1 Carrying Strap for Case
- 1 Carrying Strap for Meter
- 1 AC Charger
- 1 Test Probe
- 1 BNC to Alligator Clip Cable
- 1 3.5mm to Alligator Clip Cable
- 1 2 Conductor Screw Terminal to Alligator Clip Cable
- 1 BNC Male to BNC Male Jumper Cable
- 1 DC to DC Jumper Cable

CCTV Test Meter With Integrated Multi-Meter

ST-FTEST35F

3.5" TFT-LCD Monitor, PTZ Controller, Video Signal Generator, DC12V, 1A Power Output, Audio Input Test, RS485 Data Capture, UTP Cable Tester, Integrated Multi-Meter

Description:

The ST-FTEST35F has been developed for the On-Site installation and maintenance of video monitoring systems. It can be used for displaying video, controlling PTZ, DC12V1A power for camera, Audio input test, generating images, capturing RS485 data and testing LAN cable etc. Its functions, easy operation, and portability make it simple for the CCTV technician to install and maintain CCTV systems, improving work efficiency and reducing labor costs.



Features:

Signal Mode:	NTSC/PAL (Auto Adjust)
Display:	3.5 inch TFT-LCD, 960 x 240 resolution
LCD Adjust:	Adjustable brightness, contrast, color of LCD
Video IN/OUT:	1 channel BNC Input & 1 channel Output
Video Level Test:	Video signals measured in IRE or mV
Power Output:	DC12V, 1A
Audio Input:	1 channel Audio input
Communication:	RS232, RS422 simplex and RS485
Baud Rate:	150, 300, 600, 1200, 2400, 4800, 9600, 19200bps
Power Adapter:	DC5V, 2A
Low Consumption:	Sleeping mode, display battery power state
PTZ Address Scanning:	Search up the ID of PTZ camera
Rechargeable:	4 hours recharging time, work for 12 hours
Battery:	1 pcs Lithium Ion Polymer Batteries, 3.7V DC 3000mAh
Video Signal Generation:	Output 1 channel color bar video signal for testing monitor
UTP Cable Test:	Test UTP cables for connectivity
PTZ Protocol:	Compatible with more than 20 protocols such as PELCO-D/P, Samsung, Panasonic etc.
PTZ Data Capture And Display:	Capture and Analyze the PTZ data sent from controlling device
Dimension/Weight:	166mm x 95mm x 48mm / 360g
Multi-Meter:	Voltage, current, resistance and capacitance measuring, continuity testing, diode testing.

Ordering Information:

ST-FTEST35F	CCTV Test Meter
ST-F35 BATTERY	Replacement Battery

ST-F35TEST

3.5" TFT-LCD Monitor, PTZ Controller,
Video Signal Generator, DC12V,
1A Power Output, Audio Input Test,
RS485 Data Capture, UTP Cable Tester

Description:

The ST-F35TEST has been developed for the On-Site installation and maintenance of video monitoring systems. It can be used for displaying video, controlling PTZ, DC12V1A power for camera, Audio input test, generating images, capturing RS485 data and testing LAN cable etc. Its functions, easy operation, and portability make it simple for the CCTV technician to install and maintain CCTV systems, improving work efficiency and reducing labor costs.

Features:

- 3.5"TFT-LCD, 960H × 240V resolution, DC12V, 1A power output for camera.
- Audio input test, Video Signal Intensity Testing.
- PTZ control. Pan/tilts the P/T unit, zooms in/out the lens, adjusts the focus, aperture & sets & calls the preset position.
- Video Generating, The PAL/NTSC multi-system color bar video generator.
- Data analyst. Captures and analyzes RS485 controlling data to help the technician to find the problem.
- Cable testing. It is powerful in testing LAN cable, measuring the connecting status, displaying the sequence of connection and the NO. of the LAN cable.
- Multi-interface & Multi-baud rate. Supports RS232 ,RS485 & RS422 interface; baud rate from 150, 600-19200bps.
- Multi-protocol. Supports more than twenty PTZ protocols. For example, PELCO-P, PELCO-D, SAMSUNG etc.
- Lithium Ion Polymer Battery (3.7V DC3000mAh). The device employs advanced power control and protection circuit.

Ordering Information:

ST-F35TEST	CCTV Test Meter
ST-F35 BATTERY	Replacement Battery





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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

	CTHDA-1P	CTHDA-2P	CTHDA-1A	CT-BDA24
Forward Path	54-1,000 MHz	54-1,000 MHz	54-1,000 MHz	54-1,000 MHz
Reverse Path	5-42 MHz	5-42 MHz	5-42 MHz	5-42 MHz
Forward Gain	15.0 dB	10 dB	15 dB	24 dB
Reverse Gain (Loss)	-1.0 dB	-5 dB	10 dB	12 dB
Isolation (out-out)	N/A	18 dB Minimum	N/A	NA
Noise Figure	3 dB Typical, 4 dB Max	3 dB Typical, 4 dB Max	3 dB Typical, 4 dB Max	3 dB Typical, 4 dB Max
Return Loss (In-out)	18 dB Typical	18 dB Typical	18 dB Typical	20 dB Typical, 18 dB Minimum
Power Supply Voltage	12VDC, 200mA	12VDC, 200mA	12 VDC, 300 mA	12 VDC, 200 mA
Surge Protection (All ports)	6KV	6KV	6KV	6KV
Connections	F Type Female	F Type Female	F Type Female	F Type Female
Impedance	75 Ohm	75 Ohm	75 Ohm	75 Ohm
Operating Temperature	-40°C to + 60°C	-40°C to + 60°C	-40°C to + 60°C	-40°C to + 60°C

CTA-30A

30 dB gain amplifier with 8 dB adjustable gain control, 54-1,000 MHz, switchable FM trap





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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



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



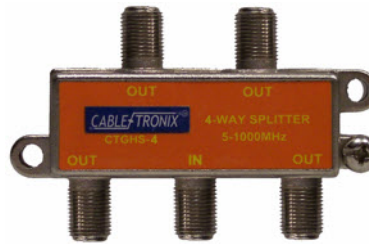
Description:

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.

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



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



Blonder Tongue 1 GHz Splitters



SDS-12

1 X 12 Splitter, 1 GHz, Solder Back



SDS-16

1 X 16 Splitter, 1 GHz, Solder Back

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 GHz Coaxial Cable Taps



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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
CTGT-27	27 dB
CTGT-30	30 dB



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
CTGTW-27	27 dB
CTGTW-30	30 dB



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
- 9, 12, 16, 20, 24, 27 & 30 dB Values available

Ordering Information

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



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



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





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with compelling value

SA Compatible Commercial Hardline Taps & Splitters



CTT8G-*

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-*

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-*

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

Hardline Power Inserter
For Use With Hardline
Power Supplies



CTDC-*

Hardline Directional Coupler
Specify Value When Ordering
Values Available: 8, 12 & 16 dB



CTSPG-2

2 Way 1 GHz Hardline Splitter



CTSPG-3

3 Way 1 GHz Hardline Splitter

CT-LB242411GY Gray
CT-LB242411BG Beige

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



CT-LB181211GY Gray
CT-LB181211BG Beige

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



Metal Lock Boxes

Metal Lock Boxes

Wall Boxes & Wire Management

11-MSE-GY-S 9" x 6" x 3"

Features:

Super tough U.V. Stabilized material. Weather resistant design and uni-lock accepts locking terminators. F-Fitting and hex nuts.

Tamperproof, regular screws and mounting screws included in hardware kit. Locking hasp and hinges for added visual security. Hinged cover stays attached when opened for service. Tie wrap slots, recessed mounting holes and ample entry/exit ports.



10-MTE-GY-S 7" x 5" x 1 1/2"

Features:

Super tough U.V. Stabilized material, mounting screws, regular and tamperproof screws included in hardware kit. Mounts to any surface. Triple locking hasp and ample entry/exit ports. Hinged cover stays attached when opened for service.



11-MDE-GY-S 17" x 10" x 3"

Features:

Super Tough U.V. Stabilized material. Uni-lock accepts terminators, RG-59 connector fittings, hex nuts, regular or tamperproof screws.

Locking hasps and hinges for security. Recessed mounting feet and ample entry/exit ports.

Can be used as a single or double door enclosure.



11-CTE-GY-S 9" x 9" x 3"

Features:

Super Tough U.V. Stabilized material. Easy to install in a variety of job sites. Plenty of room for ground block splitters and power supplies. Locking hasp and hinges for security. Recessed mounting feet and ample entry/exit ports.

Screw bosses in base allow for easy mounting of all of your equipment. Brass insert locking terminator. Triple hasp for visual security.

Uni-Lock accepts terminators, RG-59 connector fittings, hex nuts, regular or tamperproof screws.



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
CT-8WH-C	8" White Ties, 100 / Pack
CT-11B	11" Black Ties, 100 / Pack
CT-11WH	11" White Ties, 100 / Pack
CT-15BL	15" Black Ties, 100 / Pack
CT-15WH	15" White Ties, 100 / Pack



CT-8-PLENUM-C
Plenum Rated 7" Cable Tie
Burgundy Color



CT-MBP22X22
Mesh back plate. Perfect for use with or without the CT-LB242411* box. Stands off wall to allow ventilation behind electronics.
22" x 22"

WP-812GWH
White

WP-812GIV
Ivory

Coax Wall Plate With
F-81 Rated To 3 GHz



WPD-812GWH
White

WPD-812GIV
Ivory

Dual Coax Wall Plate With
F-81 Rated To 3 GHz





...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

.500 Coring Tool



BAFF

BAFF Cap, Converts existing
Pin connector to F Female



CT-TLC-500-CH-DU-03

.500 Pin Connector



CT-TLC-500-B-DU-03

.500 Feed Through Connector



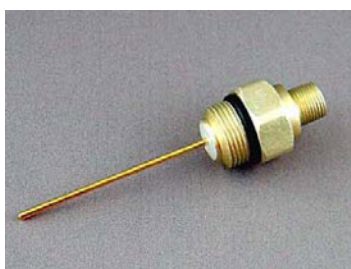
CT-TLC-500-SP-DU-03

.500 In Line Splice



CT-TLC-500-BAFF-03

.500 To F Female Adapter



CT-TLC-625-CH-S

Pin To F Female Adapter



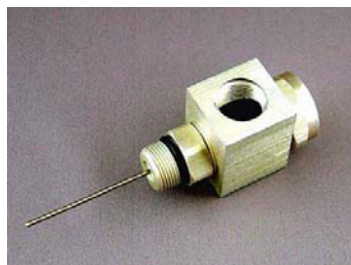
CT-TLC-HSB-A

Hardline Splice Block



CT-TLC-KS-KS-M

Housing To Housing Adapter



CT-TLC-90

90 Degree Hardline Adapter



CT-TLC-M

Hardline Housing Terminator



...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
FT-FOMC-1-10/100-M	Multi Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex
FT-FOMC-2-100M-SC-S	Single Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex
FT-FOMC-2-100M-SC-M	Multi Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex

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
FT-FOMC-1-100/1000-M	Multi Mode Fiber Media Converter, requires 1 fiber strand, SC/UPC simplex
FT-FOMC-2-100/1000-S	Single Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex
FT-FOMC-2-100/1000-M	Multi Mode Fiber Media Converter, requires 2 fiber strands, SC/UPC duplex

10/100/1000M Fiber Optic IP Network Extenders





...communicating at the speed of light

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 unit 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

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, these units offer flexibility in operation and maintenance. This 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
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Contents Include:

- 1 Fiber optic receiver
- 1 Power cord

FT-FRXID-RM-SCAPC Indoor Fiber Optic Receiver Rack Mountable



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.

Specifications:

Forward Optical

Input Optical Power Range	-8 to +2 dBm
Equivalent Input Noise Current	<4pA/√Hz
Working Wavelength	1200 - 1600 nm
Optical Connector	Specify SC/APC or FC/APC

Forward RF

Bandwidth	54-870 MHz
Flatness	+/-0.75 dB
Impedance	75 Ohms
RF Output Level	24 +/-2dBmV @ -6 dbmW
RF Return Loss	≥18 dB
RF Test Point	-20 dB +/-0.75 dB
RF Output Stability	+/-0.5 dB
Carrier to Noise Ratio (CNR)	>46 dBc
Composite Triple Beat (CTB)	>70 dBc
Composite Second Order (CSO)	>65 dBc

Reverse Optical

RF Test Point	-20dB +/-0.75 Db
Laser Type	FP
Optical Output Power	≥0 dBmW
Optical Wavelength	1310nm
Carrier to Noise Ratio (CNR)	>45 dBc
Composite Triple Beat (CTB)	>45 dBc
Composite Second Order (CSO)	>45 dBc

Reverse RF

Passband	5-42 MHz
Flatness	+/-0.75 dB
Impedance	75 Ohms
RF Return Loss	-16 dB
RF Input Level	+20 dBmV

General

Operating Temperature	-40°F to +140°F
Power Supply	12VDC, 300mA
Power Consumption	4 Watts
Surge Protection	6 KV
Dimensions	5"W x 4.5"H x 1.25"D

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-FRXOD-SCAPC Outdoor Fiber Optic Node

Features:

- Dual RF Outputs
- Wavelength: 1200 - 1600nm
- 54-1,000 MHz Forward Path Receiver
- 5-42 MHz Reverse Path Transmitter
- Wide optical input range -8dBm to +2dBm
- GaAs Power Doubled Amplifier
- -20 dB RF test point
- Local or remote power supply
- Outdoor housing

Description:

The FT-FRXOD-SCAPC is a state of the art fiber node designed for outdoor two-way fiber optic applications. With a receive frequency range of 54 to 1,000 MHz, these units offer flexibility in operation and maintenance. This multi-function optical node adopts high-quality GaAs power doubled amplifier technology to provide a high level of reliability with low power, low noise, a high output level and excellent performance to price ratio. This series features an integrated return path transmitter with a reverse frequency range of 5-42 MHz. The automatic gain control (AGC) range is +1dBm to -6dBm with a received optical power is -6dBm. The unit provides a stable RF output level when fed with with input levels between -8dBm and +2dBm. The outdoor weatherproof housing contains an internal power supply requiring 60VAC. Plug in attenuator pads and equalizers allow this unit to adapt to every distribution system.

Ordering Information:

FT-FRXOD-SCAPC Dual Output fiber optic receiver with SC/APC fiber input

Contents Include:

- 1 Fiber optic node



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.



FT-FOTR-1V-ST-S-M Baseband Video Transmitter And Receiver

Features:

- 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



Contents Include:

- 1 Transmitter
- 1 Receiver
- 2 Power supplies
- 1 Instruction manual

Description:

The FT-FOTR-1V-ST-S-M Miniature fiber optic transmitter/receiver supports the transmission of a single baseband video channel over one strand of single-mode fiber optic cable. This product is compatible with all NTSC and PAL video signals. Power, optical signal and video signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.

FT-FOTR-1VD-ST-S-M Baseband Video Transmitter And Receiver With Reverse Data Transmission For PTZ Cameras

Features:

- 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 & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232



Contents Include:

- 1 Transmitter
- 1 Receiver
- 2 Power supplies
- 1 Instruction manual

Description:

The FT-FOTR-1VD-ST-S-M Miniature fiber optic transmitter/receiver supports the transmission of a single baseband video channel and a reverse data signal over one strand of single-mode fiber optic cable. This product is compatible with all NTSC and PAL video signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.

FT-FOTR-*V-ST-S Baseband Video Transmitters And Receivers

Features:

- 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



Description:

The FT-FOTR-*V-ST-S series of fiber optic transmitters/receivers support the transmission of baseband video signals over one strand of single-mode fiber optic cable. This product is compatible with all standard video pattern signals. Power, optical signal and video signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.



FT-FOTR-1V-ST-S
 Single Baseband Video
 Transmitter And Receiver



FT-FOTR-2V-ST-S
 Dual Baseband Video
 Transmitter And Receiver



FT-FOTR-4V-ST-S
 Quad Baseband Video
 Transmitter And Receiver



FT-FOTR-8V-ST-S
 Eight Input Baseband Video
 Transmitter And Receiver



FT-FOTR-16V-ST-S
 Sixteen Input Baseband Video
 Transmitter And Receiver

FT-FOTR-*VD-ST-S Baseband Video Transmitter And Receiver With Reverse Data Transmission For PTZ Cameras

Features:

- 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 & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232



Description:

The FT-FOTR-1VD-ST-S fiber optic transmitter/receiver supports the transmission of baseband video signals and a reverse data signal over one strand of single-mode fiber optic cable. This product is compatible with all NTSC and PAL video signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.



FT-FOTR-1VD-ST-S

Single Baseband Video Transmitter
And Receiver With Reverse Data
Transmission



FT-FOTR-2VD-ST-S

Dual Baseband Video Transmitter
And Receiver With Reverse Data
Transmission



FT-FOTR-4VD-ST-S

Quad Baseband Video Transmitter
And Receiver With Reverse Data
Transmission



FT-FOTR-8VD-ST-S

Eight Input Baseband Video
Transmitter And Receiver With
Reverse Data Transmission



FT-FOTR-16VD-ST-S

Sixteen Input Baseband Video
Transmitter And Receiver With
Reverse Data Transmission

FT-FOTR-*VDE-ST-S Baseband Video Transmitters And Receivers With Reverse Data Transmission & Ethernet Transmission

Features:

- 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 & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232

Description:

The FT-FOTR-1VDE-ST-S fiber optic transmitter/receiver supports the transmission of baseband video signals, a reverse data signal and ethernet over one strand of single-mode fiber optic cable. This product is compatible with all standard video pattern signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.



FT-FOTR-1VDE-ST-S
Single Baseband Video Transmitter
And Receiver With Reverse Data
& Ethernet Transmission



FT-FOTR-2VDE-ST-S
Dual Baseband Video Transmitter
And Receiver With Reverse Data
& Ethernet Transmission



FT-FOTR-4VDE-ST-S
Quad Baseband Video Transmitter
And Receiver With Reverse Data
& Ethernet Transmission



FT-FOTR-8VDE-ST-S
Eight Input Baseband Video Transmitter
And Receiver With Reverse Data
& Ethernet Transmission

Features:

- 10 Bit digital video transmission
- High speed synchronization with digital transmission technology
- Wide optic dynamic range, no adjustments required
- LCD Indicators for power, optic, video & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232

Description:

The FT-FOTRHQ-1VD-ST-S fiber optic transmitter/receiver supports the transmission of a single baseband video channel and single channel of bi-directional, multi-protocol data over one strand of single-mode fiber optic cable. This product is compatible with all NTSC and PAL video signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 16 dB.

FT-FOTRHQ-1VD-ST-S Baseband Video Transmitter and Receiver With Bi-Directional Multi-Protocol Data Transmission



Contents Include:

- 1 Transmitter
- 1 Receiver
- 2 Power supplies
- 1 Instruction manual

Features:

- 10 Bit digital video transmission
- High speed synchronization with digital transmission technology
- Wide optic dynamic range, no adjustments required
- LCD Indicators for power, optic, video & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232

Description:

The FT-FOTRHQ-8V2D-ST-S fiber optic transmitter/receiver supports the transmission of eight baseband video channels and two channels of bi-directional, multi-protocol data over one strand of single-mode fiber optic cable. This product is compatible with NTSC and PAL video signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 16 dB.

FT-FOTRHQ-8V2D-ST-S Eight Input Video Transmitter and Receiver With Two Channels Of Bi-Directional Multi-Protocol Data Transmission



Contents Include:

- 1 Transmitter
- 1 Receiver
- 2 Power supplies
- 1 Instruction manual

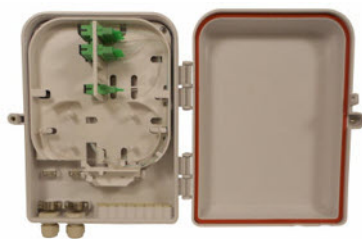
19" Rack Mountable Fiber Optic Splitters

FT-RMSME-1X2-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 2
FT-RMSME-1X4-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 4
FT-RMSME-1X8-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 8
FT-RMSME-1X16-SCAPC	PLC-Splitter-Rack-Mountable 19", SC/APC, SM, 1 x 16
FT-RMSME-1X2-LCAPC	PLC-Splitter-Rack-Mountable 19", LC/APC, SM, 1 x 2
FT-RMSME-1X4-LCAPC	PLC-Splitter-Rack-Mountable 19", LC/APC, SM, 1 x 4
FT-RMSME-1X2-FC	PLC-Splitter-Rack-Mountable 19", FC, SM, 1 x 2
FT-RMSME-1X4-FC	PLC-Splitter-Rack-Mountable 19", FC, SM, 1 x 4
FT-RMSME-1X2-ST	PLC-Splitter-Rack-Mountable 19", ST, SM, 1 x 2
FT-RMSME-1X4-ST	PLC-Splitter-Rack-Mountable 19", ST, SM, 1 x 4



Fiber Optic Splitters, Box Modules

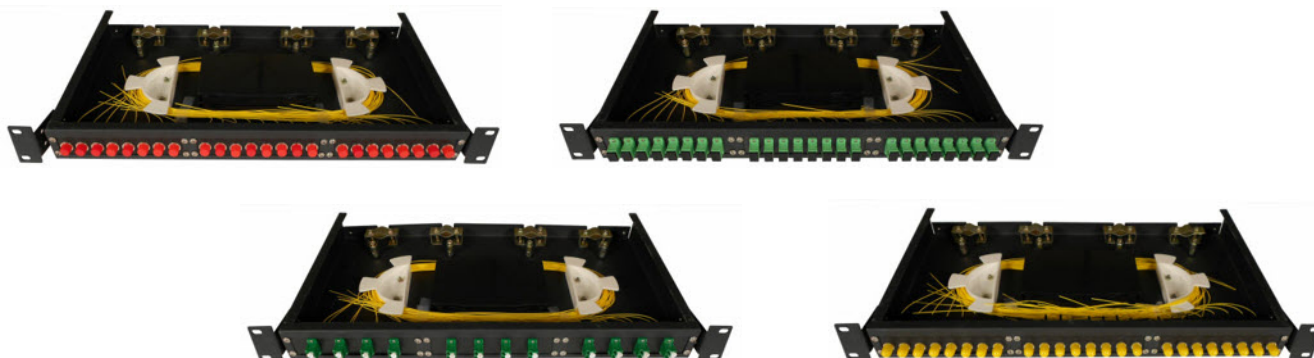
FT-SBMSE-1X2-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 2, 1.5M (With connector)
FT-SBMSE-1X4-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 4, 1.5M (With connector)
FT-SBMSE-1X8-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 8, 1.5M (With connector)
FT-SBMSE-1X16-SCAPC	PLC-Splitter-Box Module, SC/APC, SM, 1 x 16, 1.5M (With connector)
FT-SBMSE-1X2-LCAPC	PLC-Splitter-Box Module, LC/APC, SM, 1 x 2, 1.5M (With connector)
FT-SBMSE-1X4-LCAPC	PLC-Splitter-Box Module, LC/APC, SM, 1 x 4, 1.5M (With connector)
FT-SBMSE-1X2-FC	PLC-Splitter-Box Module, FC, SM, 1 x 2, 1.5M (With connector)
FT-SBMSE-1X4-FC	PLC-Splitter-Box Module, FC, SM, 1 x 4, 1.5M (With connector)
FT-SBMSE-1X2-ST	PLC-Splitter-Box Module, ST, SM, 1 x 2, 1.5M (With connector)
FT-SBMSE-1X4-ST	PLC-Splitter-Box Module, ST, SM, 1 x 4, 1.5M (With connector)
FT-SBMSE-1X2-SC	PLC-Splitter-Box Module, SC, SM, 1 x 2, 1.5M (With connector)
FT-SBMSE-1X4-SC	PLC-Splitter-Box Module, SC, SM, 1 x 4, 1.5M (With connector)



Fiber Optic Splitters With Wall Box Enclosures

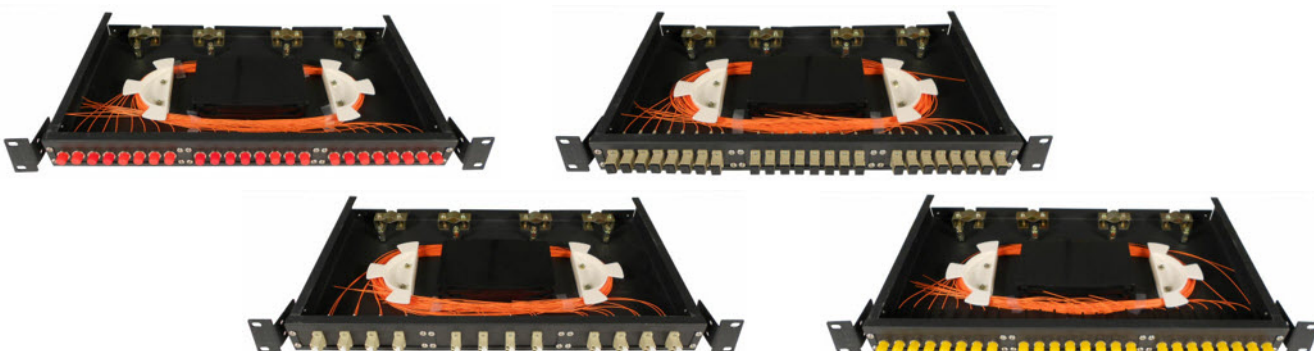
FT-SWBSME-1X2-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 2
FT-SWBSME-1X4-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 4
FT-SWBSME-1X8-SCAPC	PLC-Splitter-Wall-Box, SC/APC, SM, 1 x 8
FT-SWBSME-1X2-LCAPC	PLC-Splitter-Wall-Box, LC/APC, SM, 1 x 2
FT-SWBSME-1X4-LCAPC	PLC-Splitter-Wall-Box, LC/APC, SM, 1 x 4

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)
FT-PPRMSM-24-SCAPC	SC/APC 24 Port,SM Simplex, (with SC/APC SM Simplex Adapter & Pigtail x24)
FT-PPRMSM-12-LCAPC	LC/APC 12 Port,SM Simplex, (with LC/APC SM Simplex Adapter & Pigtail x12)
FT-PPRMSM-24-LCAPC	LC/APC 24 Port,SM Simplex, (with LC/APC SM Simplex Adapter & Pigtail x24)
FT-PPRMSM-12-FC	FC 12 Port,SM Simplex, (with FC SM Simplex Adapter & Pigtail x12)
FT-PPRMSM-24-FC	FC 24 Port,SM Simplex, (with FC SM Simplex Adapter & Pigtail x24)
FT-PPRMSM-12-ST	ST 12 Port,SM Simplex, (with ST SM Simplex Adapter & Pigtail x12)
FT-PPRMSM-24-ST	ST 24 Port,SM Simplex, (with ST SM Simplex Adapter & Pigtail x24)



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)
FT-PPRMMM-24-SC	SC 24 Port,MM Simplex, (with SC MM Simplex Adapter & 50/125 Pigtail x24)
FT-PPRMMM-12-LC	LC 12 Port,MM Simplex, (with LC MM Simplex Adapter & 50/125 Pigtail x12)
FT-PPRMMM-24-LC	LC 24 Port,MM Simplex, (with LC MM Simplex Adapter & 50/125 Pigtail x24)
FT-PPRMMM-12-FC	FC 12 Port,MM Simplex, (with FC MM Simplex Adapter & 50/125 Pigtail x12)
FT-PPRMMM-24-FC	FC 24 Port,MM Simplex, (with FC MM Simplex Adapter & 50/125 Pigtail x24)
FT-PPRMMM-12-ST	ST 12 Port,MM Simplex, (with ST MM Simplex Adapter & 50/125 Pigtail x12)
FT-PPRMMM-24-ST	ST 24 Port,MM Simplex, (with ST MM Simplex Adapter & 50/125 Pigtail x24)



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	FT-SMJ-SX-FC/APC-2M	FT-SMJ-SX-FC/APC-5M	FT-SMJ-SX-FC/APC-10M
FC/UPC - FC/UPC	FT-SMJ-SX-FC/UPC-1M	FT-SMJ-SX-FC/UPC-2M	FT-SMJ-SX-FC/UPC-5M	FT-SMJ-SX-FC/UPC-10M
LC/UPC - LC/UPC	FT-SMJ-SX-LC/LC-1M	FT-SMJ-SX-LC/LC-2M	FT-SMJ-SX-LC/LC-5M	FT-SMJ-SX-LC/LC-10M
LC/UPC - SC/UPC	FT-SMJ-SX-LC/SC-1M	FT-SMJ-SX-LC/SC-2M	FT-SMJ-SX-LC/SC-5M	FT-SMJ-SX-LC/SC-10M
LC/UPC - ST/UPC	FT-SMJ-SX-LC/ST-1M	FT-SMJ-SX-LC/ST-2M	FT-SMJ-SX-LC/ST-5M	FT-SMJ-SX-LC/ST-10M
SC/APC - FC/APC	FT-SMJ-SX-SC/FCA-1M	Not Available	FT-SMJ-SX-SC/FCA-5M	FT-SMJ-SX-SC/FCA-10M
SC/APC - SC/APC	FT-SMJ-SX-SC/APC-1M	FT-SMJ-SX-SC/APC-2M	FT-SMJ-SX-SC/APC-5M	FT-SMJ-SX-SC/APC-10M
SC/UPC - SC/UPC	FT-SMJ-SX-SC/UPC-1M	FT-SMJ-SX-SC/UPC-2M	FT-SMJ-SX-SC/UPC-5M	FT-SMJ-SX-SC/UPC-10M
SC/UPC - ST/UPC	FT-SMJ-SX-SC/ST-1M	FT-SMJ-SX-SC/ST-2M	FT-SMJ-SX-SC/ST-5M	FT-SMJ-SX-SC/ST-10M
ST/UPC - ST/UPC	FT-SMJ-SX-ST/UPC-1M	FT-SMJ-SX-ST/UPC-2M	FT-SMJ-SX-ST/UPC-5M	FT-SMJ-SX-ST/UPC-10M

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	FT-SMJ-DX-FC/APC-2M	FT-SMJ-DX-FC/APC-5M	FT-SMJ-DX-FC/APC-10M
FC/UPC - FC/UPC	FT-SMJ-DX-FC/UPC-1M	FT-SMJ-DX-FC/UPC-2M	FT-SMJ-DX-FC/UPC-5M	FT-SMJ-DX-FC/UPC-10M
LC/UPC - LC/UPC	FT-SMJ-DX-LC/LC-1M	FT-SMJ-DX-LC/LC-2M	FT-SMJ-DX-LC/LC-5M	FT-SMJ-DX-LC/LC-10M
LC/UPC - SC/UPC	FT-SMJ-DX-LC/SC-1M	FT-SMJ-DX-LC/SC-2M	FT-SMJ-DX-LC/SC-5M	FT-SMJ-DX-LC/SC-10M
LC/UPC - ST/UPC	FT-SMJ-DX-LC/ST-1M	FT-SMJ-DX-LC/ST-2M	FT-SMJ-DX-LC/ST-5M	FT-SMJ-DX-LC/ST-10M
SC/APC - FC/APC	FT-SMJ-DX-SC/FCA-1M	Not Available	FT-SMJ-DX-SC/FCA-5M	FT-SMJ-DX-SC/FCA-10M
SC/APC - SC/APC	FT-SMJ-DX-SC/APC-1M	FT-SMJ-DX-SC/APC-2M	FT-SMJ-DX-SC/APC-5M	FT-SMJ-DX-SC/APC-10M
SC/UPC - SC/UPC	FT-SMJ-DX-SC/UPC-1M	FT-SMJ-DX-SC/UPC-2M	FT-SMJ-DX-SC/UPC-5M	FT-SMJ-DX-SC/UPC-10M
SC/UPC - ST/UPC	FT-SMJ-DX-SC/ST-1M	FT-SMJ-DX-SC/ST-2M	FT-SMJ-DX-SC/ST-5M	FT-SMJ-DX-SC/ST-10M
ST/UPC - ST/UPC	FT-SMJ-DX-ST/UPC-1M	FT-SMJ-DX-ST/UPC-2M	FT-SMJ-DX-ST/UPC-5M	FT-SMJ-DX-ST/UPC-10M

Multi-Mode, Simplex, 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-SX-LC/LC-1M	FT-MMJ5A-SX-LC/LC-2M	FT-MMJ5A-SX-LC/LC-5M	FT-MMJ5A-SX-LC/LC-10
LC/UPC - SC/UPC	FT-MMJ5A-SX-LC/SC-1M	FT-MMJ5A-SX-LC/SC-2M	FT-MMJ5A-SX-LC/SC-5M	FT-MMJ5A-SX-LC/SC-10
LC/UPC - ST/UPC	FT-MMJ5A-SX-LC/ST-1M	FT-MMJ5A-SX-LC/ST-2M	FT-MMJ5A-SX-LC/ST-5M	FT-MMJ5A-SX-LC/ST-10
SC/UPC - SC/UPC	FT-MMJ5A-SX-SC/SC-1M	FT-MMJ5A-SX-SC/SC-2M	FT-MMJ5A-SX-SC/SC-5M	FT-MMJ5A-SX-SC/SC-10
SC/UPC - ST/UPC	FT-MMJ5A-SX-SC/ST-1M	FT-MMJ5A-SX-SC/ST-2M	FT-MMJ5A-SX-SC/ST-5M	FT-MMJ5A-SX-SC/ST-10
ST/UPC - ST/UPC	FT-MMJ5A-SX-ST/ST-1M	FT-MMJ5A-SX-ST/ST-2M	FT-MMJ5A-SX-ST/ST-5M	FT-MMJ5A-SX-ST/ST-10

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	FT-MMJ5A-DX-LC/LC-2M	FT-MMJ5A-DX-LC/LC-5M	FT-MMJ5A-DX-LC/LC-10
LC/UPC - SC/UPC	FT-MMJ5A-DX-LC/SC-1M	FT-MMJ5A-DX-LC/SC-2M	FT-MMJ5A-DX-LC/SC-5M	FT-MMJ5A-DX-LC/SC-10
LC/UPC - ST/UPC	FT-MMJ5A-DX-LC/ST-1M	FT-MMJ5A-DX-LC/ST-2M	FT-MMJ5A-DX-LC/ST-5M	FT-MMJ5A-DX-LC/ST-10
SC/UPC - SC/UPC	FT-MMJ5A-DX-SC/SC-1M	FT-MMJ5A-DX-SC/SC-2M	FT-MMJ5A-DX-SC/SC-5M	FT-MMJ5A-DX-SC/SC-10
SC/UPC - ST/UPC	FT-MMJ5A-DX-SC/ST-1M	FT-MMJ5A-DX-SC/ST-2M	FT-MMJ5A-DX-SC/ST-5M	FT-MMJ5A-DX-SC/ST-10
ST/UPC - ST/UPC	FT-MMJ5A-DX-ST/ST-1M	FT-MMJ5A-DX-ST/ST-2M	FT-MMJ5A-DX-ST/ST-5M	FT-MMJ5A-DX-ST/ST-10



Fiber Optic Jumper Cables

Multi-Mode, Simplex, 50/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/UPC - FC/UPC	FT-MMJ5-SX-FC/UPC-1M	FT-MMJ5-SX-FC/UPC-2M	FT-MMJ5-SX-FC/UPC-5M	FT-MMJ5-SX-FC/UPC-10M
LC/UPC - LC/UPC	FT-MMJ5-SX-LC/LC-1M	FT-MMJ5-SX-LC/LC-2M	FT-MMJ5-SX-LC/LC-5M	FT-MMJ5-SX-LC/LC-10M
LC/UPC - SC/UPC	FT-MMJ5-SX-LC/SC-1M	FT-MMJ5-SX-LC/SC-2M	FT-MMJ5-SX-LC/SC-5M	FT-MMJ5-SX-LC/SC-10M
LC/UPC - ST/UPC	FT-MMJ5-SX-LC/ST-1M	FT-MMJ5-SX-LC/ST-2M	FT-MMJ5-SX-LC/ST-5M	FT-MMJ5-SX-LC/ST-10M
SC/UPC - SC/UPC	FT-MMJ5-SX-SC/UPC-1M	FT-MMJ5-SX-SC/UPC-2M	FT-MMJ5-SX-SC/UPC-5M	FT-MMJ5-SX-SC/UPC-10M
SC/UPC - ST/UPC	FT-MMJ5-SX-SC/ST-1M	FT-MMJ5-SX-SC/ST-2M	FT-MMJ5-SX-SC/ST-5M	FT-MMJ5-SX-SC/ST-10M
ST/UPC - ST/UPC	FT-MMJ5-SX-ST/UPC-1M	FT-MMJ5-SX-ST/UPC-2M	FT-MMJ5-SX-ST/UPC-5M	FT-MMJ5-SX-ST/UPC-10M

Multi-Mode, Duplex, 50/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/UPC - FC/UPC	FT-MMJ5-DX-FC/UPC-1M	FT-MMJ5-DX-FC/UPC-2M	FT-MMJ5-DX-FC/UPC-5M	FT-MMJ5-DX-FC/UPC-10M
LC/UPC - LC/UPC	FT-MMJ5-DX-LC/LC-1M	FT-MMJ5-DX-LC/LC-2M	FT-MMJ5-DX-LC/LC-5M	FT-MMJ5-DX-LC/LC-10M
LC/UPC - SC/UPC	FT-MMJ5-DX-LC/SC-1M	FT-MMJ5-DX-LC/SC-2M	FT-MMJ5-DX-LC/SC-5M	FT-MMJ5-DX-LC/SC-10M
LC/UPC - ST/UPC	FT-MMJ5-DX-LC/ST-1M	FT-MMJ5-DX-LC/ST-2M	FT-MMJ5-DX-LC/ST-5M	FT-MMJ5-DX-LC/ST-10M
SC/UPC - SC/UPC	FT-MMJ5-DX-SC/UPC-1M	FT-MMJ5-DX-SC/UPC-2M	FT-MMJ5-DX-SC/UPC-5M	FT-MMJ5-DX-SC/UPC-10M
SC/UPC - ST/UPC	FT-MMJ5-DX-SC/ST-1M	FT-MMJ5-DX-SC/ST-2M	FT-MMJ5-DX-SC/ST-5M	FT-MMJ5-DX-SC/ST-10M
ST/UPC - ST/UPC	FT-MMJ5-DX-ST/UPC-1M	FT-MMJ5-DX-ST/UPC-2M	FT-MMJ5-DX-ST/UPC-5M	FT-MMJ5-DX-ST/UPC-10M

Multi-Mode, Duplex, 50/125 Micron, 2.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
MTRJ - LC/UPC	FT-MMJ5-DX-MT/LC-1M	FT-MMJ5-DX-MT/LC-2M	FT-MMJ5-DX-MT/LC-5M	FT-MMJ5-DX-MT/LC-10M
MTRJ - MTRJ	FT-MMJ5-DX-MT/MT-1M	FT-MMJ5-DX-MT/MT-2M	FT-MMJ5-DX-MT/MT-5M	FT-MMJ5-DX-MT/MT-10M
MTRJ - SC/UPC	FT-MMJ5-DX-MT/SC-1M	FT-MMJ5-DX-MT/SC-2M	FT-MMJ5-DX-MT/SC-5M	FT-MMJ5-DX-MT/SC-10M
MTRJ - ST/UPC	FT-MMJ5-DX-MT/ST-1M	FT-MMJ5-DX-MT/ST-2M	FT-MMJ5-DX-MT/ST-5M	FT-MMJ5-DX-MT/ST-10M

Multi-Mode, Simplex, 62.5/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/UPC - FC/UPC	FT-MMJ6-SX-FC/UPC-1M	FT-MMJ6-SX-FC/UPC-2M	FT-MMJ6-SX-FC/UPC-5M	FT-MMJ6-SX-FC/UPC-10M
LC/UPC - LC/UPC	FT-MMJ6-SX-LC/LC-1M	FT-MMJ6-SX-LC/LC-2M	FT-MMJ6-SX-LC/LC-5M	FT-MMJ6-SX-LC/LC-10M
LC/UPC - SC/UPC	FT-MMJ6-SX-LC/SC-1M	FT-MMJ6-SX-LC/SC-2M	FT-MMJ6-SX-LC/SC-5M	FT-MMJ6-SX-LC/SC-10M
LC/UPC - ST/UPC	FT-MMJ6-SX-LC/ST-1M	FT-MMJ6-SX-LC/ST-2M	FT-MMJ6-SX-LC/ST-5M	FT-MMJ6-SX-LC/ST-10M
SC/UPC - SC/UPC	FT-MMJ6-SX-SC/UPC-1M	FT-MMJ6-SX-SC/UPC-2M	FT-MMJ6-SX-SC/UPC-5M	FT-MMJ6-SX-SC/UPC-10M
SC/UPC - ST/UPC	FT-MMJ6-SX-SC/ST-1M	FT-MMJ6-SX-SC/ST-2M	FT-MMJ6-SX-SC/ST-5M	FT-MMJ6-SX-SC/ST-10M
ST/UPC - ST/UPC	FT-MMJ6-SX-ST/UPC-1M	FT-MMJ6-SX-ST/UPC-2M	FT-MMJ6-SX-ST/UPC-5M	FT-MMJ6-SX-ST/UPC-10M

Multi-Mode, Duplex, 62.5/125 Micron, 3.0mm Core Diameter

	1 Meter	2 Meter	5 Meter	10 Meter
FC/UPC - FC/UPC	FT-MMJ6-DX-FC/UPC-1M	FT-MMJ6-DX-FC/UPC-2M	FT-MMJ6-DX-FC/UPC-5M	FT-MMJ6-DX-FC/UPC-10M
LC/UPC - LC/UPC	FT-MMJ6-DX-LC/LC-1M	FT-MMJ6-DX-LC/LC-2M	FT-MMJ6-DX-LC/LC-5M	FT-MMJ6-DX-LC/LC-10M
LC/UPC - SC/UPC	FT-MMJ6-DX-LC/SC-1M	FT-MMJ6-DX-LC/SC-2M	FT-MMJ6-DX-LC/SC-5M	FT-MMJ6-DX-LC/SC-10M
LC/UPC - ST/UPC	FT-MMJ6-DX-LC/ST-1M	FT-MMJ6-DX-LC/ST-2M	FT-MMJ6-DX-LC/ST-5M	FT-MMJ6-DX-LC/ST-10M
MTRJ - LC/UPC	FT-MMJ6-DX-MT/LC-1M	FT-MMJ6-DX-MT/LC-2M	FT-MMJ6-DX-MT/LC-5M	FT-MMJ6-DX-MT/LC-10M
MTRJ - MTRJ	FT-MMJ6-DX-MT/MT-1M	FT-MMJ6-DX-MT/MT-2M	FT-MMJ6-DX-MT/MT-5M	FT-MMJ6-DX-MT/MT-10M
MTRJ - SC/UPC	FT-MMJ6-DX-MT/SC-1M	FT-MMJ6-DX-MT/SC-2M	FT-MMJ6-DX-MT/SC-5M	FT-MMJ6-DX-MT/SC-10M
MTRJ - ST/UPC	FT-MMJ6-DX-MT/ST-1M	FT-MMJ6-DX-MT/ST-2M	FT-MMJ6-DX-MT/ST-5M	FT-MMJ6-DX-MT/ST-10M
SC/UPC - SC/UPC	FT-MMJ6-DX-SC/UPC-1M	FT-MMJ6-DX-SC/UPC-2M	FT-MMJ6-DX-SC/UPC-5M	FT-MMJ6-DX-SC/UPC-10M
SC/UPC - ST/UPC	FT-MMJ6-DX-SC/ST-1M	FT-MMJ6-DX-SC/ST-2M	FT-MMJ6-DX-SC/ST-5M	FT-MMJ6-DX-SC/ST-10M
ST/UPC - ST/UPC	FT-MMJ6-DX-ST/UPC-1M	FT-MMJ6-DX-ST/UPC-2M	FT-MMJ6-DX-ST/UPC-5M	FT-MMJ6-DX-ST/UPC-10M

Other Cables Not Listed Above:

FT-SMJ-SX-SC/APC-15M	Single-Mode, Simplex, 3.0mm Core Diameter, 15 Meter
FT-SMJ-SX-LC/SC-3M	Single-Mode, Simplex, 3.0mm Core Diameter, 3 Meter
FT-SMJ-SX-LC/LC-3M	Single-Mode, Simplex, 3.0mm Core Diameter, 3 Meter

Contact Your Sales Engineer For Information and Pricing On Any Jumpers Not Shown Here.

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
FT-SMJ-SX-SC/APC-100	Single-Mode, Simplex, 3.0mm Core Diameter, SC/APC to SC/APC, 100 Meter
FT-SMJ-SX-SC/APC-200	Single-Mode, Simplex, 3.0mm Core Diameter, SC/APC to SC/APC, 200 Meter

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
FT-SMJ-DX-SC/APC-100	Single-Mode, Duplex, 3.0mm Core Diameter, SC/APC to SC/APC, 100 Meter
FT-SMJ-DX-SC/APC-200	Single-Mode, Duplex, 3.0mm Core Diameter, SC/APC to SC/APC, 200 Meter

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
FT-SMJ-SX-SC/UPC-100	Single-Mode, Simplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 100 Meter
FT-SMJ-SX-SC/UPC-200	Single-Mode, Simplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 200 Meter

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
FT-SMJ-DX-SC/UPC-100	Single-Mode, Duplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 100 Meter
FT-SMJ-DX-SC/UPC-200	Single-Mode, Duplex, 3.0mm Core Diameter, SC/UPC to SC/UPC, 200 Meter

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
FT-SMJ-DX-LC/UPC-100	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 100 Meter
FT-SMJ-DX-LC/UPC-200	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 200 Meter
FT-SMJ-DX-LC/UPC-300	Single-Mode, Duplex, 3.0mm Core Diameter, LC/UPC to LC/UPC, 300 Meter

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
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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
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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
FT-MMJ6-DX-SCUPC-100M	Multi-Mode, Duplex, 62.5/125 Micron, 3.0mm Core Diameter, 100 Meter

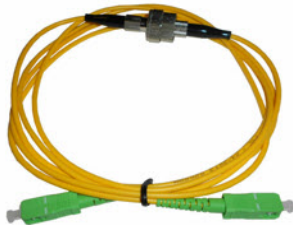
**Specialty Fiber Jumpers Made to Meet Your Individual Specifications Also Available.
Contact One of Our Sales Engineers For More Information.**

Variable Fiber Optic Attenuators

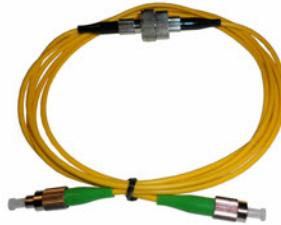
The FT-FOVATT series of variable fiber optic attenuators have been designed as a precise passive component providing a variable, field tunable attenuation range of 0.5 to 30 dB to meet the detailed demands of today's fiber optic networks. These attenuators are capable of attenuating fiber optic wavelengths of both 1310 and 1550 nm. The FT-FOVATT attenuators are the perfect tool to keep in every service and installation vehicle as well as testing labs and manufacturing facilities.



FT-FOVATT-FC



FT-FOVATT-SC/APC



FT-FOVATT-FC/APC



FT-FOVATT-SC



FT-FOVATT-ST

Ordering Information:

FT-FOVATT-SC	SC/UPC Male to SC/UPC Male, 0.5 - 30 dB Variable Attenuation Range
FT-FOVATT-ST	ST/UPC Male to ST/UPC Male, 0.5 - 30 dB Variable Attenuation Range
FT-FOVATT-FC	FC/UPC Female to FC/UPC Female, 0.5 - 30 dB Variable Attenuation Range
FT-FOVATT-FC/APC	FC/APC Male to FC/APC Male, 0.5 - 30 dB Variable Attenuation Range
FT-FOVATT-SC/APC	SC/APC Male to SC/APC Male, 0.5 - 30 dB Variable Attenuation Range

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



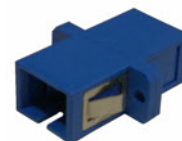
FT-LC/UPC-LC/UPC



FT-LC/APC-LC/APC



FT-FC/PC



FT-SC/PC



FT-FC/APC-LC/APC

FT-FC/PC	Fiber optic adapter, FC/UPC Female to FC/UPC Female
FT-FC/APC	Fiber optic adapter, FC/APC Female to FC/APC Female
FT-SC/PC	Fiber optic adapter, SC/UPC Female to SC/UPC Female
FT-SC/APC	Fiber optic adapter, SC/APC Female to SC/APC Female
FT-ST	Fiber optic adapter, ST/UPC Female to ST/UPC Female
FT-FC/PC-SC/PC	Fiber optic adapter, FC/UPC Female to SC/UPC Female
FT-FC/PC-ST/PC	Fiber optic adapter, FC/UPC Female to ST/UPC Female
FT-SC/PC-ST/PC	Fiber optic adapter, SC/UPC Female to ST/UPC Female
FT-FC/UPC-LC/UPC	Fiber optic adapter, FC/UPC Female to LC/UPC Female
FT-FC/APC-LC/APC	Fiber optic adapter, FC/APC Female to LC/APC Female
FT-SC/UPC-LC/UPC	Fiber optic adapter, SC/UPC Female to LC/UPC Female
FT-SC/APC-LC/APC	Fiber optic adapter, SC/APC Female to LC/APC Female
FT-ST/UPC-LC/UPC	Fiber optic adapter, ST/UPC Female to LC/UPC Female
FT-LC/UPC-LC/UPC	Fiber optic adapter, LC/UPC Female to LC/UPC Female
FT-LC/APC-LC/APC	Fiber optic adapter, LC/APC Female to LC/APC Female



FT-ST/UPC-LC/UPC



FT-SC/UPC-LC/UPC



FT-SC/APC-LC/APC



FT-FOATT-FC-*



FT-FOATT-LC/PC-*



FT-FOATT-MF-FC-*



FT-FOATT-MF-FC/APC-*



FT-FOATT-MF-ST-*



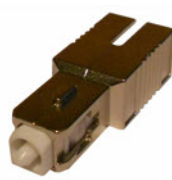
FT-FOATT-MF-LC-*



FT-FOATT-MF-LC/APC-*



FT-FOATT-MF-SC-*



FT-FOATT-MF-SC/APC-*



FT-FOATT-SC-*



FT-FOATT-ST-*

Fixed Value Fiber Optic Attenuators

The FT-FOATT series of fixed value fiber optic attenuators have been designed as a precise passive component providing several fixed attenuation values to meet the detailed demands of today's fiber optic networks. These units have been manufactured with high quality fiber optic connections and feature an attenuation precision of +/- 10%.

Fiber Optic Attenuators, Female to Female Connections

	1 dB	2 dB	3 dB
FC/UPC	FT-FOATT-FC-1	FT-FOATT-FC-2	FT-FOATT-FC-3
SC/UPC	FT-FOATT-SC-1	FT-FOATT-SC-2	FT-FOATT-SC-3
ST/UPC	FT-FOATT-ST-1	FT-FOATT-ST-2	FT-FOATT-ST-3
LC/UPC			FT-FOATT-LC/PC-3

	4 dB	5 dB	10 dB
FC/UPC	FT-FOATT-FC-4	FT-FOATT-FC-5	FT-FOATT-FC-10
SC/UPC	FT-FOATT-SC-4	FT-FOATT-SC-5	FT-FOATT-SC-10
ST/UPC	FT-FOATT-ST-4	FT-FOATT-ST-5	FT-FOATT-ST-10
LC/UPC		FT-FOATT-LC/PC-5	FT-FOATT-LC/PC-10

Fiber Optic Attenuators, Male to Female Connections

	1 dB	3 dB	5 dB	10 dB
FC/UPC	FT-FOATT-MF-FC-1	FT-FOATT-MF-FC-3	FT-FOATT-MF-FC-5	FT-FOATT-MF-FC-10
FC/APC	FT-FOATT-MF-FC/APC-1	FT-FOATT-MF-FC/APC-3	FT-FOATT-MF-FC/APC-5	FT-FOATT-MF-FC/APC-10
SC/UPC	FT-FOATT-MF-SC-1	FT-FOATT-MF-SC-3	FT-FOATT-MF-SC-5	FT-FOATT-MF-SC-10
SC/APC	FT-FOATT-MF-SC/APC-1	FT-FOATT-MF-SC/APC-3	FT-FOATT-MF-SC/APC-5	FT-FOATT-MF-SC/APC-10
ST/UPC	FT-FOATT-MF-ST-1	FT-FOATT-MF-ST-3	FT-FOATT-MF-ST-5	FT-FOATT-MF-ST-10
LC/UPC	FT-FOATT-MF-LC-1	FT-FOATT-MF-LC-3	FT-FOATT-MF-LC-5	FT-FOATT-MF-LC-10
LC/APC	FT-FOATT-MF-LC/APC-1	FT-FOATT-MF-LC/APC-3	FT-FOATT-MF-LC/APC-5	FT-FOATT-MF-LC/APC-10

Mechanical Crimp Fiber Optic Connectors & Adapters



FC/UPC Male Connector For Single Mode Fiber Optic Cable

FT-FC/UPC-SM-2.0 2mm Boot
FT-FC/UPC-SM-3.0 3mm Boot



FC/APC Male Connector For Single Mode Fiber Optic Cable

FT-FC/APC-SM-2.0 2mm Boot
FT-FC/APC-SM-3.0 3mm Boot



SC/UPC Male Connector For Single Mode Fiber Optic Cable

FT-SC/UPC-SM-2.0 2mm Boot
FT-SC/UPC-SM-3.0 3mm Boot



FC/UPC Male Connector For 50/125 Micron Multi Mode Cable

FT-FC/UPC-MM-50-2.0 2mm Boot
FT-FC/UPC-MM-50-3.0 3mm Boot



FC/APC Male Connector For 50/125 Micron Multi Mode Cable

FT-FC/APC-MM-50-2.0 2mm Boot
FT-FC/APC-MM-50-3.0 3mm Boot



SC/APC Male Connector For Single Mode Fiber Optic Cable

FT-SC/APC-SM-2.0 2mm Boot
FT-SC/APC-SM-3.0 3mm Boot



FC/UPC Male Connector For 62.5/125 Micron Multi Mode Cable

FT-FC/UPC-MM-62.5-2 2mm Boot
FT-FC/UPC-MM-62.5-3 3mm Boot



FC/APC Male Connector For 62.5/125 Micron Multi Mode Cable

FT-FC/APC-MM-62.5-2 2mm Boot
FT-FC/APC-MM-62.5-3 3mm Boot



SC/APC Male Connector For 62.5/125 Micron Multi Mode Cable

FT-SC/APC-MM-62.5-2 2mm Boot
FT-SC/APC-MM-62.5-3 3mm Boot



SC/UPC Male Connector For 50/125 Micron Multi Mode Cable

FT-SC/UPC-MM-50-2.0 2mm Boot
FT-SC/UPC-MM-50-3.0 3mm Boot



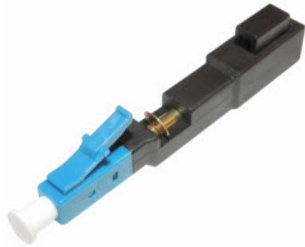
SC/UPC Male Connector For 62.5/125 Micron Multi Mode Cable

FT-SC/UPC-MM-62.5-2 2mm Boot
FT-SC/UPC-MM-62.5-3 3mm Boot



SC/APC Male Connector For 50/125 Micron Multi Mode Cable

FT-SC/APC-MM-50-2.0 2mm Boot
FT-SC/APC-MM-50-3.0 3mm Boot



LC Style Field Installable Quick Connectors

FT-FIQC-LC/UPC-SM-3.0

LC/UPC Connector for single-mode 3.0mm cable

FT-FIQC-LC/UPC-SM-.9

LC/UPC Connector for single-mode 0.9mm cable



SC Style Field Installable Quick Connectors

FT-FIQC-SC/APC-SM-3.0

SC/APC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC-SC/UPC-SM-3.0

SC/UPC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC5-SC/UPC-MM-3.0

SC/UPC Connector for multi-mode 50 um, 3.0 & 2.0mm cable

FT-FIQC6-SC/UPC-MM-3.0

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

FC/UPC Connector for single-mode 3.0 & 2.0mm cable

FT-FIQC5-FC/UPC-MM-3.0

FC/UPC Connector for multi-mode 50 um, 3.0 & 2.0mm cable

FT-FIQC6-FC/UPC-MM-3.0

FC/UPC Connector for multi-mode 62.5 um, 3.0 & 2.0mm cable

FT-FIQC-FC/APC-SM-3.0

FC/APC Connector for single-mode 3.0 & 2.0mm cable



ST Style Field Installable Quick Connectors

FT-FIQC-ST/UPC-SM-2X3.0

ST/UPC Connector for single-mode 3x2mm cable

FT-FIQC-ST/UPC-SM-3.0

ST/UPC Connector for multi-mode 3.0mm cable

FT-FIQC-ST/UPC-SM-.9

ST/UPC Connector for multi-mode 0.9mm cable



FT-QCTOOL-LC

Positioning tool for LC Style Fiber Optic Quick Connectors



FT-QCTOOL-ST

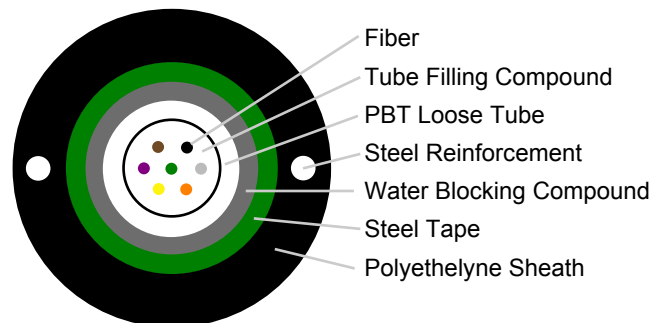
Positioning tool for ST Style Fiber Optic Quick Connectors

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 spools.



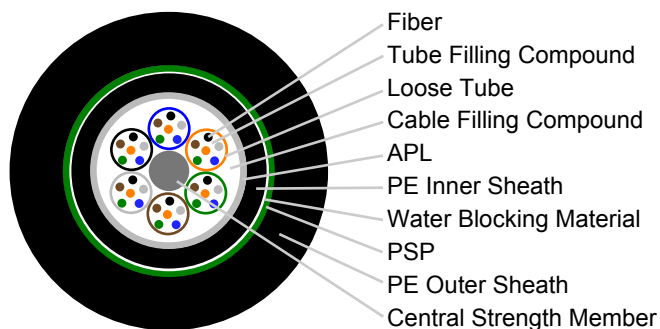
Ordering Information:

FT-SM-2ULT-2000	2 Core, Singlemode, unitube, loose tube, light armored, 2,000 Meter roll
FT-SM-4ULT-2000	4 Core, Singlemode, unitube, loose tube, light armored, 2,000 Meter roll
FT-SM-6ULT-2000	6 Core, Singlemode, unitube, loose tube, light armored, 2,000 Meter roll

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 spools.

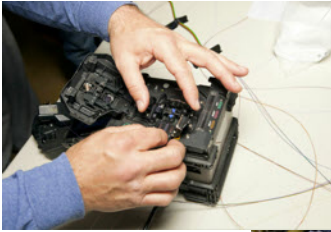


The Fibertronix line of Singlemode, stranded, loose tube, armored, direct burial fiber optic cables feature a central steel wire which provides a high tensile strength while protecting the individual fiber optic cables from breaking during installation. The individual fiber tubes are stranded around 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, Singlemode, stranded loose tube, armored, burial, 2,000 Meter roll
FT-SM-6SLTAB-2000	6 Core, Singlemode, stranded loose tube, armored, burial, 2,000 Meter roll

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

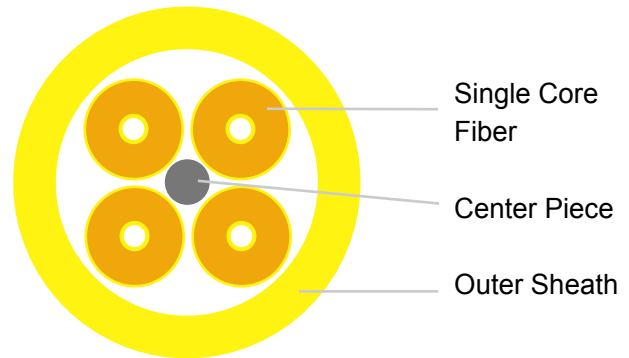


Single-Mode Indoor Bundled Fiber Optic Cables

Singlemode, Multiple Core, Fiber Optic Cables

Features:

- Typically used for inside wiring.
- Small diameter, light weight.
- Center strengthening member.
- 2,000 Meter spools.



Ordering Information:

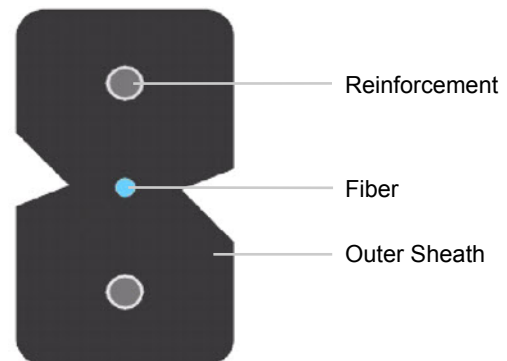
FT-SM-4CWC-2000 Four Core, Singlemode, 3.0mm, normal yarn, 2,000 Meter roll



Single-Mode Indoor Butterfly Fiber Optic Cables

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.
- Available with normal or kevlar yarn
- 2,000 Meter spools.



Ordering Information:

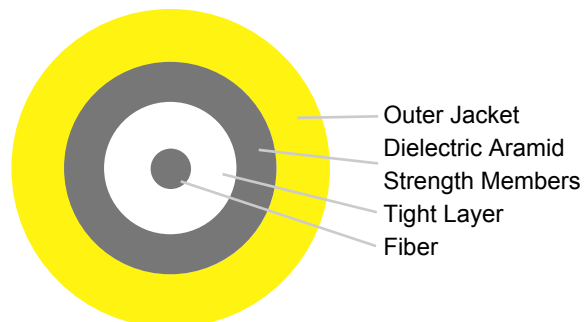
FT-SMSB-LSZHM-1-2000 Simplex Core, Single-Mode, 2,000 Meter roll
FT-SMDB-LSZHM-1-2000 Duplex Core, Single-Mode, 2,000 Meter roll

Single Strand Indoor Fiber Optic Cables

Singlemode, 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 spools.



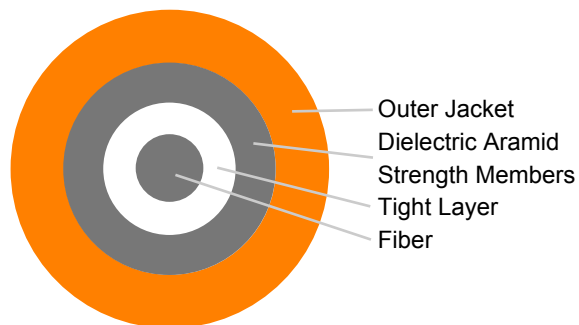
Ordering Information:

FT-SM-1-2000	Simplex Core, Singlemode, 3.0mm, normal yarn, 2,000 Meter roll
FT-SM-1-K-2000	Simplex Core, Singlemode, 3.0mm, kevlar yarn, 2,000 Meter roll

Multimode, 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 spools.



Ordering Information:

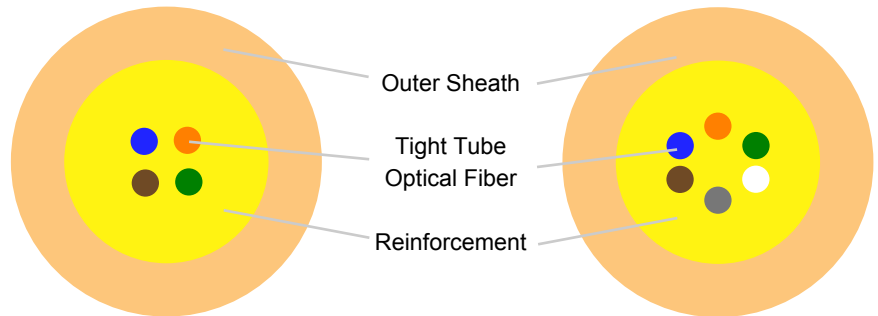
FT-MM50-1-2000	Simplex Core, Multimode, 3.0mm, 50/125 micron, normal yarn, 2,000 Meter roll
FT-MM62.50-1-2000	Simplex Core, Multimode, 3.0mm, 62.5/125 micron, normal yarn, 2,000 Meter roll
FT-MM50-1-K-2000	Simplex Core, Multimode, 3.0mm, 50/125 micron, kevlar yarn, 2,000 Meter roll
FT-MM62.50-1-K-2000	Simplex Core, Multimode, 3.0mm, 62.5/125 micron, kevlar yarn, 2,000 Meter roll

**Contact One Of Our Technical Sales Engineers
For System Design Assistance**

Singlemode, 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 spools.



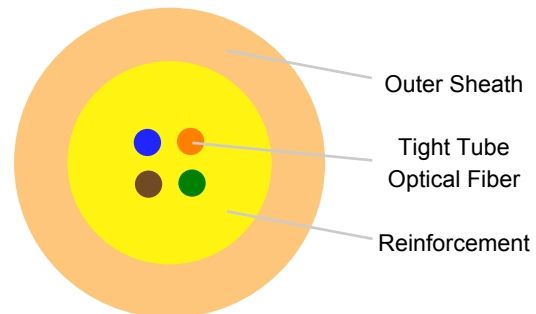
Ordering Information:

FT-SM-4CB-2000	Four Core, Singlemode, 3.0mm, normal yarn, 2,000 Meter roll
FT-SM-6CB-2000	Six Core, Singlemode, 3.0mm, normal yarn, 2,000 Meter roll
FT-SM-4CB-K-2000	Four Core, Singlemode, 3.0mm, kevlar yarn, 2,000 Meter roll
FT-SM-6CB-K-2000	Six Core, Singlemode, 3.0mm, kevlar yarn, 2,000 Meter roll

Multimode, 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 spools.



Ordering Information:

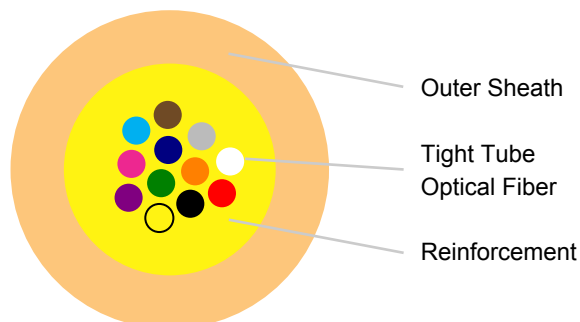
FT-MM50-4CB-2000	Four Core, Multi-Mode, 50/125, normal yarn, 2,000 Meter roll
FT-MM50-4CB-K-2000	Four Core, Multi-Mode, 50/125, kevlar yarn, 2,000 Meter roll
FT-MM62.5-4CB-2000	Four Core, Multi-Mode, 62.5/125, normal yarn, 2,000 Meter roll
FT-MM62.5-4CB-K-2000	Four Core, Multi-Mode, 62.5/125, kevlar yarn, 2,000 Meter roll

12 Core Single-Mode Indoor Bundled Fiber Optic Cables

Singlemode, 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



Ordering Information:

FT-SM-12CB-K-500	Twelve Core Bundled, Singlemode, 3.0mm, Kevlar Yarn, 500 Meter Roll
FT-SM-12CB-K-1000	Twelve Core Bundled, Singlemode, 3.0mm, Kevlar Yarn, 1,000 Meter Roll
FT-SM-12CB-K-2000	Twelve Core Bundled, Singlemode, 3.0mm, Kevlar Yarn, 2,000 Meter Roll

FT-SM-12SLTLAB-500	Twelve Core Stranded Loose Tube, Single-mode, Light Armored, 500 Meter Roll
FT-SM-12SLTLAB-1000	Twelve Core Stranded Loose Tube, Single-mode, Light Armored, 1,000 Meter Roll
FT-SM-12SLTLAB-2000	Twelve Core Stranded Loose Tube, Single-mode, Light Armored, 2,000 Meter Roll

Fiber Optic Mechanical Connector Tool Kit FT-CTK-1

Kit Includes:

- 1 Precision fiber cleaver
- 1 Cleaner container
- 1 Fiber stripping tool
- 1 Wire stripping tool
- 1 Ratcheting hex crimp tool with .043, .068, .100, .137, .213 & .255 dies
- 1 Fine point marking pen
- 1 Broad tipped marker
- 1 Carrying case with adjustable strap and zipper pockets



Features:

- Easy to use one button operation
- Identifies traffic direction
- Identifies frequency tone (270Hz, 1kHz and 2kHz)
- Displays relative core power
- Convenient sun shade
- Easy to replace adapter heads
- Long battery life
- Durable, light weight metal housing
- Dust, water and shock proof design perfect for field use

FT-OFI-1 Optical Fiber Identifier



Features:

- Easily identifies fiber fault locations
- Detects up to 8 fiber faults in a single measurement
- Automatic Pulse Width Control
- FC Connection
- Built in visual fault locator (VFL)
- Detects faults in dead zones
- Long battery life, up to 5,000 measurements
- Locates both reflective and non-reflective faults
- Dust, water and shock proof design perfect for field use

FT-OFR-1 Optical Fiber Ranger



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



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



Ordering Information:

- | | |
|----------|-------------------------------|
| FT-VFL-1 | Standard visual fault locator |
| FT-VFL-2 | Pen type visual fault locator |

FT-OMM2-1A FT-OMM2-1C Optical Power Meters With Data Storage

Features:

- Integrated power meter and optical light source
- Convenient power display in nw, uw, mw, db & dbm
- Measurement of 850, 980, 1300, 1310, 1490 & 1550 nm
- Data storage feature with upload capability
- Large, easy to read LCD display
- Compact portable hand held design
- Lightweight and energy efficient
- Long lasting rechargeable battery & charger



Ordering Information:

FT-OMM2-1A	Optical multimeter, -70 to +6 dBm measurement range
FT-OMM2-1C	Optical multimeter, -50 to +26 dBm measurement range

FT-OMM-1B FT-OMM-1C Optical Power Meters

Features:

- Integrated power meter and optical light source
- Convenient power display in nw, uw, mw, db & dbm
- Measurement of 850, 980, 1310 & 1550 nm
- Large, easy to read LCD display
- Compact portable hand held design
- Lightweight and energy efficient
- Long lasting rechargeable battery & charger
- FC/UPC Connection

Ordering Information:

FT-OMM-1B	Optical multimeter, -60 to +10 dBm measurement range
FT-OMM-1C	Optical multimeter, -30 to +20 dBm measurement range



FT-FCS-1
Fiber Optic Cable
Stripping Tool -
Across & Lengthwise



FT-FCR-1
Fiber Optic Cable
Stripping Tool
Side Fiber Cable Ripper



FT-FOJS-1
Fiber Optic Cable
Jacket Slitter

Designed For Cables Of The
Following Sizes:

- 1.5 - 1.9mm
- 2.0 - 2.4mm
- 2.5 - 2.9mm
- 3.0 - 3.3mm

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



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
 FT-OPT-3A-AK -70 to +3 dBm Measurement range, includes FC/UPC, ST/UPC, SCUPC connector adapters
 FT-OPT-3C -50 to +26 dBm Measurement range
 FT-OPT-3C-AK -50 to +26 dBm Measurement range, includes FC/UPC, ST/UPC, SC/UPC connector adapters



Features:

- Wave ID—Automatic wavelength identification and switching (when used with handheld light source)
- Frequency ID/Tone detection - Automatic frequency identification
- Intelligent backlight control (light intensity can be adjusted properly according to ambient light, which greatly reduces power consumption)
- Data storage function, up to 1000 test records
- USB communication port for saved testing records download
- Reference power level can be set up and stored
- User self calibration function
- Auto-off function can be activated or deactivated.
- AA alkaline and AC adapter for power supply
- Low battery indication

Ordering Information:

FT-OPT-2A -70 to +6 dBm Measurement range
 FT-OPT-2C -50 to +26 dBm Measurement range

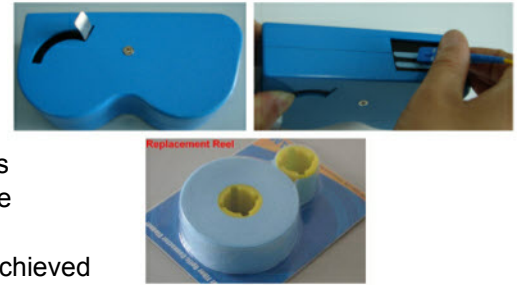
FT-OPT-2A FT-OPT-2C Handheld Optical Power Meters



FT-FCC-500-1 Fiber Optic Connector Cleaner

Features

- Safe and environmentally friendly: No chemicals or other waste such as alcohol, methanol, cotton tips or lens tissues. No electrostatic discharge contamination.
- User friendly: With a few simple steps an ideal cleaning result can be achieved removing contamination by oil or dust.
- Fast, effective, repeatable cleanings
- A single unit is good for over 500 cleanings.
- Perfect for use in the field as well as lab environments and manufacturing facilities.
- Designed for use with SC, FC, ST, D4, LC, DIN and Bionic connectors.



FT-FEFC-500-1 Electromotive Fiber End-Face Cleaner

The FT-FEFC-500-1 electromotive fiber-end face cleaner is designed not only to clean male connector ends, but also to clean female bulkhead adapters (Ferrule end-faces inside the adapters). It is a convenient and simple cleaning tool that is perfect for fiber network maintenance and fiber components production.

Features

- Suitable for complex field operation
- Low cost and high quality cleaning material
- Two AA batteries will last for up to 100 hours of operation
- Cleans fiber end-faces of male connectors and female connectors
- Cleans fiber end-faces of PC and APC ferrules in diameter 2.5mm & 1.25mm.
- Cleans directly and without any cleaning liquids
- Takes only 3 seconds to clean connectors with a cleaning grade up to 88%~98%



FT-FFC-500-1 Pen Style Fiber Connector Cleaner

The FT-FFC-500-1 Pen-style fiber cleaner has been specifically designed to clean female fiber optic connectors and female bulkhead adapters (Ferrule end-faces inside the adapters). It is a convenient and simple cleaning tool for fiber optic network maintenance and fiber components production.

Features

- A single unit is good for over 500 cleanings
- Cleaning grade up to 95%~99.9%
- Cleaning result is much better than traditional cotton swabs when cleaning oil and water stains
- Designed for 1.25mm (LC, MU) and 2.5mm (SC, FC, ST)
- Pocket size and easy to use
- Low cost and high performance



High Definition Digital Video Recorder for HD Over Coax



ST-HD-CVR Features:

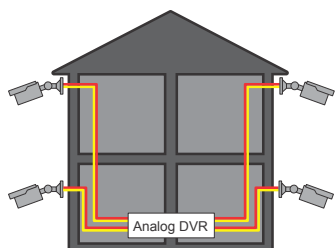
- HD Quality video over existing coaxial cable
- 1080p Real time viewing
- 720p Recording @ 30FPS
- 1080p Recording @ 15FPS
- 1 VGA and 1 HDMI video output
- Supports mobile monitoring / management
- Available in 4, 8, or 16ch models
- 16 Channel unit supports analog, HD-CVI & HD-IP
- Two year limited warranty



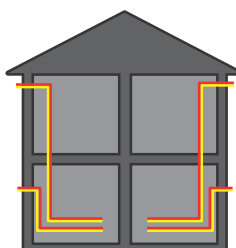
SecurityTronix is thrilled to announce the release of the groundbreaking HD-COAXINATOR™ series of high definition cameras and digital video recorders. This series allows for stress-free installs by utilizing the same coaxial cable, connectors, and power plugs as a traditional analog CCTV system. The HD-COAXINATOR™ series is priced like analog and delivers HD resolutions like IP, but without video latency or other difficulties found when dealing with IP based systems. Integrators can easily upgrade existing systems from analog to HD by simply replacing the old DVR and analog cameras with the HD-COAXINATOR™ cameras and CVR digital video recorder. Installers can quickly install new HD systems without the need for IP wiring or the complexity involved in setting up a network. The HD-CVI technology used in the SecurityTronix HD-COAXINATOR™ provides resolution, color depth, and image recognition that analog cameras are incapable of matching. Other more expensive HD over coax products on the market today have a limited transmission distance. The HD-COAXINATOR™ overcomes this limitation using new breakthrough technology to extend signal transmission distance, with virtually no deterioration in picture quality. SecurityTronix has researched and developed a quality, plug and play, cost effective HD solution that makes sense.

HD-COAXINATOR™ replaces analog and HD-SDI

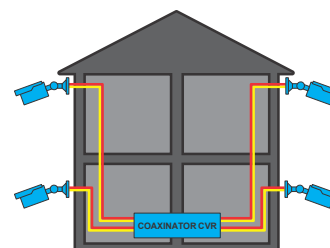
Update your properties from analog to HD in just a few hours with **SECURITY TRONIX** HD-COAXINATOR™



Property with existing 12VDC analog CCTV system



All wiring is reused for both power and video



Install new HD-COAXINATOR cameras and CVR

The HD-CVI technology used in the SecurityTronix HD-COAXINATOR provides resolution, clarity and natural colors that traditional analog CCTV cameras are unable to match.

Competitor's cameras with HD-SDI technology can provide the same 720P & 1080P resolutions which COAXINATOR provides, however they suffer from significantly higher cost, limited cable runs and do not have the ability to send PTZ control data over the same coax cable used for video.

	Max Record Resolution (D1)	Audio Over Coax?	Data/PTZ Over Coax	Maximum Cable Length	Average Price Point
HD-COAXINATOR™	1920 x 1080	YES	YES	1650 ft	\$\$
HD-SDI	1920 x 1080	YES	NO	330 ft	\$\$\$
Analog	720 x 480	NO	NO	750 ft	\$

Analog CIF resolution	Analog D1 resolution	HD-COAXINATOR 720P resolution	HD-COAXINATOR 1080P resolution
Resolution comparison between analog and HD-COAXINATOR			

Ordering Information:

ST-HD-CVR4CH-V2	Four Channel HD CVR Recorder
ST-HD-CVR8CH-V2	Eight Channel HD CVR Recorder
ST-HD-CVR16CH-V2	Sixteen Channel Tribrid HD CVR Recorder

WDC5000AVDS	500GB Hard drive
WD10EURX	1TB Hard drive
WD20EURS	2TB Hard drive
WD30EURX	3TB Hard drive
WD40PURX	4TB Hard drive



High Definition Digital Video Recorder for HD Over Coax



ST-HD-CVR4CH-V2

ST-HD-CVR8CH-V2

ST-HD-CVR16CH-V2

System

Main Processor	Embedded processor
Operating System	Embedded LINUX

Video

Input	4 channel, BNC	8 channel, BNC	16 channel, BNC
Standard	HDCVI	1080P/720P HDCVI Camera	1080P/720P HDCVI Camera
	IP	1080P/720P/D1/CIF IP Camera	1080P/720P/D1/CIF IP Camera
	Analog	N/A	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)

Audio

Input	1 channel, RCA	4 channel, RCA
Output	1 channel, RCA	
Two-way Talk	Reuse audio input/output channel 1	

Display

Interface	1 HDMI, 1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768, 800×600
Display Split	1/4 1/4/8 1/4/8/16
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression		H.264/G.711
Resolution		1080P(1920×1080)/720P(1280×720)/960H(960×576/960×480)/D1/4CIF(704×576/704×480) / CIF(352×288/352×240) / QCIF(176×144/176×120)
Record Rate	Main Stream:	1080P(1~12/15fps)/720P/960H/D1/HD1/2CIF/CIF(1~25/30fps)
	Extra Stream	CIF/QCIF(1~25/30fps), D1(1~12/15fps)
Bit Rate		48~4096Kb/s
Record Mode		Manual, Schedule(Regular(Continuous), MD), Stop
Record Interval		1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Video Detection

Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Spot, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank	
Alarm Input	N/A	16 channel
Relay Output	N/A	3 channel

Playback & Backup

Sync Playback	1/4 1/4/8 1/4/9/16
Search Mode	Time/Date, MD & Exact search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device/Internal SATA burner/Network

Network

Ethernet	RJ-45 port (10/100M)	RJ-45 port (10/100M/1000M)
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android, Windows Phone	

Storage

Internal HDD	1 SATA port, up to 4TB	2 SATA ports, up to 8TB
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Auxiliary Interface

USB Interface	2 ports(1 Rear), USB2.0
RS485	1 port, For PTZ Control

General

Power Supply	DC12V/2A	DC12V/5A
Power Consumption	10W(without HDD)	15W(without HDD)
Working Environment	-14°F - +131°F / 10%~90%RH / 86~106kpa	
Dimension(W×D×H)	Mini 1U, 12.8" x 10.0" x 2.2"	1U, 14.8" x 11.25" x 2.2"
Weight	3.3 lbs. (without HDD)	5.2 lbs. (without HDD)

ST-HD-D2812-1MP Features:

- HD Video Quality Over Coaxial Cable
- 1/3" CMOS Sensor
- 1 Megapixel, 720p Resolution
- 2.8 - 12.0mm Varifocal Lens
- 2 IR LEDs, 98' IR Range
- 2D Noise Reduction (2DNR)
- IP66 Rated Housing
- 2 Year Warranty

Specifications

Image Sensor	1/3" 1MP CMOS
Resolution	1280(H) x 720(V)
Video Standard	NTSC
Scanning System	Progressive
Auto Electronic Shutter	1/60s - 1/100,000s
Lens	2.8 - 12.0mm Manual Zoom
IR LED	2
IR Distance	Up to 98 Feet
Min. Illumination (Color)	0.1 Lux/f1.2
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)
White Balance	Auto
Exposure Mode	Auto

Ordering Information:

ST-HD-D2812-1MP HD-Coaxinator High Definition Dome Camera, White Housing

Varifocal Dome Camera for High Definition Over Coax



Video Output	HDCVI Port, HD Output
Frame Rate	NTSC: 1280x720@30fps
2D-DNR	Yes
Video Output	1 Channel BNC
Required Power Supply	DC12V, 750mA
Power Consumption	6W Max
Operating Temperature	14° - 113° F
Operating Humidity	95% Maximum Non-Condensing
Dimensions	4.8" x 3.5"
Weight	1.0 lbs.

Contents Include:

- 1 ST-HD-D2812-1MP Camera
- 1 Instruction manual

ST-HD-TD3.6-1MP Features:

- HD Video Quality Over Coaxial Cable
- 1 or 2 Megapixel
- 3.6mm Fixed Lens
- 12 IR LEDs, 65' IR Range
- 2D Noise Reduction (2DNR)
- IP66 Rated Housing
- 2 Year Warranty

Specifications

Video Standard	NTSC
Scanning System	Progressive
Auto Electronic Shutter	1/60s - 1/100,000s
Lens	3.6mm Fixed
IR LED	12
IR Distance	Up to 65 Feet
Min. Illumination (Color)	0.1 Lux/f1.2
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)
White Balance	Auto
Exposure Mode	Auto
Video Output	HDCVI Port, HD Output

Ordering Information:

ST-HD-TD3.6-1MP 1MP HD-Coaxinator High Definition Turret Dome Camera, White Housing
ST-HD-TD3.6-2MP 2MP HD-Coaxinator High Definition Turret Dome Camera, White Housing

Turret Dome Camera for High Definition Over Coax



Frame Rate	NTSC: 1280x720@30fps
2D-DNR	Yes
Video Output	1 Channel BNC
Required Power Supply	DC12V, 500mA
Power Consumption	3.5W Max
Operating Temperature	14° - 113° F
Operating Humidity	95% Maximum Non-Condensing
Dimensions	3.7" x 3.9"
Weight	0.75 lbs.

Contents Include:

- 1 ST-HD-TD3.6-1MP Camera
- 1 Instruction manual

ST-HD-BT3.6-1MP Features:

- HD Video Quality Over Coaxial Cable
- 1 or 2 Megapixel
- 3.6mm Fixed Lens
- 24 IR LEDs, 65' IR Range
- 2D Noise Reduction (2DNR)
- IP66 Rated Housing
- 2 Year Warranty

Specifications

Video Standard	NTSC
Scanning System	Progressive
Auto Electronic Shutter	1/60s - 1/100,000s
Lens	3.6mm Fixed
IR LED	24
IR Distance	Up to 65 Feet
Min. Illumination (Color)	0.1 Lux/f1.2
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)
White Balance	Auto
Exposure Mode	Auto

HD-COAXINATOR™

Bullet Camera for High Definition Over Coax



Video Output	HDCVI Port, HD Output
Frame Rate	NTSC: 1280x720@30fps
2D-DNR	Yes
Video Output	1 Channel BNC
Required Power Supply	DC12V, 500mA
Power Consumption	4.5W Max
Operating Temperature	14° - 113° F
Operating Humidity	95% Maximum Non-Condensing
Dimensions	2.5" x 6.1"
Weight	0.85 lbs.

Ordering Information:

ST-HD-BT3.6-1MP	1MP HD-Coaxinator High Definition Bullet Camera, White Housing
ST-HD-BT3.6-2MP	2MP HD-Coaxinator High Definition Bullet Camera, White Housing

Contents Include:

1	ST-HD-BT3.6-1MP Camera
1	Instruction manual

ST-HD-BT2812-1MP Features:

- HD Video Quality Over Coaxial Cable
- 1/3" CMOS Sensor
- 1 Megapixel, 720p Resolution
- 2.8 - 12.0mm Varifocal Lens
- 24 IR LEDs, 98' IR Range
- 2D Noise Reduction (2DNR)
- IP66 Rated Housing
- 2 Year Warranty

Specifications

Image Sensor	1/3" 1MP CMOS
Resolution	1280(H) x 720(V)
Video Standard	NTSC
Scanning System	Progressive
Auto Electronic Shutter	1/60s - 1/100,000s
Lens	2.8 - 12.0mm Manual Zoom
IR LED	24
IR Distance	Up to 98 Feet
Min. Illumination (Color)	0.1 Lux/f1.2
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)
White Balance	Auto
Exposure Mode	Auto
Video Output	HDCVI Port, HD Output

HD-COAXINATOR™

Varifocal Bullet Camera for High Definition Over Coax



Frame Rate	NTSC: 1280x720@30fps
2D-DNR	Yes
Video Output	1 Channel BNC
Required Power Supply	DC12V, 750mA
Power Consumption	5W Max
Operating Temperature	14° - 113° F
Operating Humidity	95% Maximum Non-Condensing
Dimensions	3.5" x 8.4"
Weight	1.2 lbs.

Contents Include:

1	ST-HD-BT2812-1MP Camera
1	Instruction manual

Ordering Information:

ST-HD-BT2812-1MP	HD-Coaxinator High Definition Bullet Camera, White Housing
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ST-HD-BT2812M-2MP Features:

- HD Video Quality Over Coaxial Cable
- 1/2.8" 2 CMOS Sensor
- 2 Megapixel, 1080p Resolution
- 2.8 - 12.0mm Motorized Lens
- 24 IR LEDs, 98' IR Range
- 2D/3D Noise Reduction (2DNR/3DNR)
- 25/30@1080P, 25/30/50/60fps@720P
- High speed, long distance real-time transmission
- HD and standard definition switchable
- OSD Menu, control over coaxial cable
- Day/Night(ICR), AWB, AGC, BLC
- IP66 Rated Housing
- 2 Year Warranty

The ST-HD-BT2812M-2MP is a high-definition varifocal camera designed around a 1/2.8" Color 2 megapixel CMOS, 24 IR LEDs providing infrared capability up to 98 feet, and a 2.8mm – 12mm motorized zoom lens. The ability to send HD video over coaxial cable makes the ST-HD-BT2812M-2MP a cost effective high-definition surveillance solution for any budget. The HD-COAXINATOR™ series utilizes the same coaxial cable, connectors, and power plugs as a traditional analog CCTV system. The series is priced like analog and delivers resolution like IP, but without video latency or other difficulties found when dealing with IP based systems. Integrators can easily upgrade existing systems from analog to HD by simply replacing the old DVR and analog cameras with HD-COAXINATOR™ cameras and CVR digital video recorder.

HD-COAXINATOR™

High Definition Varifocal Bullet Camera With Motorized Varifocal Lens



ST-HD-D2812M-2MP Features:

- HD Video Quality Over Coaxial Cable
- 1/2.8" 2 CMOS Sensor
- 2 Megapixel, 1080p Resolution
- 2.8 - 12.0mm Motorized Lens
- 24 IR LEDs, 98' IR Range
- 2D/3D Noise Reduction (2DNR/3DNR)
- 25/30@1080P, 25/30/50/60fps@720P
- High speed, long distance real-time transmission
- HD and standard definition switchable
- OSD Menu, control over coaxial cable
- Day/Night(ICR), AWB, AGC, BLC
- IP66 Rated Housing
- 2 Year Warranty

The ST-HD-D2812M-2MP is a high-definition varifocal camera designed around a 1/2.8" Color 2 megapixel CMOS, 24 IR LEDs providing infrared capability up to 98 feet, and a 2.8mm – 12mm motorized zoom lens. The ability to send HD video over coaxial cable makes the ST-HD-D2812M-2MP a cost effective high-definition surveillance solution for any budget. The HD-COAXINATOR™ series utilizes the same coaxial cable, connectors, and power plugs as a traditional analog CCTV system. The series is priced like analog and delivers resolution like IP, but without video latency or other difficulties found when dealing with IP based systems. Integrators can easily upgrade existing systems from analog to HD by simply replacing the old DVR and analog cameras with HD-COAXINATOR™ cameras and CVR digital video recorder.

HD-COAXINATOR™

High Definition Varifocal Dome Camera With Motorized Varifocal Lens



HD-Coaxinator High Definition Surveillance Video Over Coaxial Cable



ST-HD-IRPTZ-2MP Features:

- HD Video Quality Over Coaxial Cable
- 20x optical zoom
- Max. 25/30fps@1080P(1920×1080) & 50/60fps@720P resolution
- DWDR, Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Multiple network monitoring: CMS(DSS/PSS) & DMSS
- Control over coaxial cable, long distance real-time transmission
- Max 240°/s pan speed, 360° endless pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol
- IR Distance up to 100m
- IP66
- 1 Year Warranty

Contents Include:

- 1 ST-HD-IRPTZ-2MP Camera
- 1 Instruction manual
- 1 24VDC Power Supply
- 1 Wall mount bracket



Ordering Information:

ST-HD-IRPTZ-2MP HD-Coaxinator High Definition IR PTZ Camera, White Housing



ST-HD-PTZ-2MP Features:

- HD Video Quality Over Coaxial Cable
- 20x optical zoom
- Max 20/30fps@1080P, 50/60fps@720P resolution
- DWDR, Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Max 500°/s pan speed, 360° endless pan rotation
- Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol
- IP66 Rated housing, IK10
- 1 Year Warranty

Contents Include:

- 1 ST-HD-PTZ-2MP Camera
- 1 Instruction manual
- 1 24VDC Power Supply
- 1 Wall mount bracket



Ordering Information:

ST-HD-PTZ-2MP HD-Coaxinator High Definition PTZ Camera, White Housing



2MP Full HD 20x Ultra-High Speed PTZ Dome Camera

HD-CVI Over Twisted Pair Balun

ST-CCTV-VB-CVI Features:

- Transmits a single channel of HD-Coaxinator video over twisted pair
- Transmission distance of 1,300 feet at 720p and 650 Feet at 1080p
- Push terminal connection for twisted pair
- Built in surge protection
- Superior interference rejection



The ST-CCTV-VB-CVI baluns are designed for HD-Coaxinator signal transmission over unshielded twisted pair (UTP) 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-CVI baluns provide superb quality on long range transmission. Since these baluns are passive video transceivers, no power is required. Transmission range for color HD video at 720p resolution is 1,300 feet (400 meters) while 1080p resolution HD video can travel up to 650 feet (200 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-CVI HD-Coaxinator balun kit for transmission of HD-Coaxinator video over twisted pair

Contents Include:

2 ST-CCTV-VB-CVI Baluns

HD-Coaxinator to HDMI Video Converter

ST-HD-VC Features:

- Self-adaptive output HDCVI, HDMI, VGA, CVBS signal
- Loss-less real time non-compression transmission
- Dial switch to adjust for 4 Baud rates: 2400b/s, 4800b/s, 9600b/s and 115200b/s
- LED indicators
- Fully enclosed dust-proof design



The ST-HD-VC video converter has been designed to accept a single HD-Coaxinator CVI signal and provide four individual outputs in four different formats. A single HD-CVI BNC video input is processed to provide one HD-CVI output (BNC), one CVBS output (BNC), one HDMI output and one VGA output. The converter is powered with a 12VDC transformer and features an LED indication light to confirm operation. The ST-HD-VC is perfect for converting an HD-CVI video source to an HDMI, VGA or CVBS signal to allow viewing at a monitor that does not have an HD-CVI input.

Ordering Information:

ST-HD-VC HD-Coaxinator video converter

Contents Include:

1 ST-HD-VC Video Converter

Features:

- Up to 4/8/16/32 channels with 1080P realtime live viewing
- H.264/MJPEG dual codec decoding
- Max 200Mbps incoming bandwidth
- Up to 5Mp resolution preview & playback
- HDMI/VGA simultaneous video output
- 4/8/16 channel synchronous realtime playback, GRID interface
- ONVIF Version 2.3 conformance
- Supports 2 SATA HDDs up to 8TB, 2 USB(1 USB3.0)
- Plug & play connectivity with Securitytronix Eye View Series IP Cameras



- Utilizes could connect for an effortless remote connection to various client devices
- Compatible with EVS (Eye View Smart) software packages
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS, SPSS
- 2 Year Warranty

The Securitytronix ST-NVR*CH-I INDUSTRY SERIES Embedded Digital Video Recorder is an excellent digital surveillance product which adopts H.264 video compression, hard disk recording, TCP/IP transmission, and a Linux based OS in addition to some of the more advanced technologies in the information technology industry. These units enable a stable, reliable and high picture quality while supporting synchronized video and audio recording, playback, and monitoring. This series also supports network based system control, as well as excellent network streaming capabilities. The ST-NVR*CH-I series is also P2P enabled, providing easy remote access with just a QR code. P2P Functionality enables a quick and secure remote connection to client devices including PC's smart phones and tablets.

	ST-NVR4CH-I	ST-NVR8CH-I	ST-NVR16CH-I	ST-NVR32CH-I
System	Dual-Core embedded processor			
	Operating System Embedded LINUX			
Video	4 Channel	8 Channel	16 Channel	32 Channel
	Two-way Talk 1 Channel Input, 1 Channel Output, RCA			
	Interface 1 HDMI, 1 VGA			
Display	Resolution 1920x1080, 1280x1024, 1280x720, 1024x768			
	1/4	1/4/8/9	1/4/8/9/16	1/4/8/9/16
	OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording			
Recording	Compression H.264, MJPEG			
	Resolution 5Mp (2560x1920) /3Mp (2048x1536) /1080P(1920x1080) / 720P(1280x720) / D1 (704x576/704x480)&etc.			
	Record Rate 200Mbps			
	Bit Rate 48 - 8192kbps			
	Record Mode Manual, Schedule(Regular(Continuous), MD, Alarm), Stop			
	Record Interval 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec			
Video Detection & Alarm	Trigger Events Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Screen tips			
	Video Detection Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank			
	Alarm Input 4 Channel			
	Relay Output 2 Channel			
Playback & Backup	1/4	1/4/9	1/4/9/16	1/4/9/16
	Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search			
	Playback Function Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom			
	Backup Mode USB Device/Network/Internal SATA burner			
Network	Ethernet 1 RJ-45 port (10/100/1000Mbps)			
	Network Function P2P,HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support IP camera, DVR, NVS and etc.)			
	Max. User Access 128 Users			
	Smart Phone iPhone, iPad, Android, Windows Phone			
Storage	Internal HDD 2 SATA ports, up to 8TB, Raid (redundancy)			
Auxiliary Interface	USB 2 Ports (1 rear USB3.0, 1 Front USB2.0)			
	RS232 1 Port, for PC communication & keyboard			
	RS485 1 Port, for PTZ control			
General	Power Supply DC12V/4A			
	Power Consumption 20W (without HDD)			
	Working Environment 14°F ~+130°F / 10%~90%RH / 86~106kpa			
	Dimensions (WxDxH) 1U, 14.75" x 11.25" x 2.0" (375mmx285mmx50mm)			
	Weight 4.5 lbs. (without HDD)			

Ordering Information:

ST-NVR4CH-I	4 Channel Standalone Network Video Recorder (NVR)
ST-NVR8CH-I	8 Channel Standalone Network Video Recorder (NVR)
ST-NVR16CH-I	16 Channel Standalone Network Video Recorder (NVR)
ST-NVR32CH-I	32 Channel Standalone Network Video Recorder (NVR)

WDC5000AVDS
WD10EURX
WD20EURS
WD30EURX
WD40PURX

500GB Hard drive
1TB Hard drive
2TB Hard drive
3TB Hard drive
4TB Hard drive

FIT SERIES Stand Alone IP Network Video Recorders

Features:

- Up to 4/8 channel with 1080P realtime live view
- H.264/MJPEG dual codec decoding
- Max 56Mbps incoming bandwidth
- HDMI/VGA simultaneous video output
- All channel synchronous realtime playback, GRID interface
- ONVIF Version 2.3 conformance
- 3D intelligent positioning with PTZ cameras
- Supports (1) 2.5" SATA HDD up to 1TB, 2 USB2.0
- Multiple network monitoring: Web viewer, CMS(DSS/S PSS) & DMSS (Phone & Pad)
- P2P enabled, providing easy remote access with just a QR code enables a quick and secure remote connection to client devices, including PCs, smartphones, tablets
- Plug & play connectivity with Securitytronix Eye View Series IP Cameras
- Utilizes cloud connect for an effortless remote connection to various client devices
- Compatible with EVS (Eye View Smart) software packages
- 2 Year Warranty



FIT SERIES
Network Video Recorder

The Securitytronix ST-NVR*CH-F FIT SERIES Embedded Digital Video Recorder is an excellent digital surveillance product which adopts H.264 video compression, hard disk recording, TCP/IP transmission, and a Linux based OS in addition to some of the more advanced technologies in the information technology industry. These units enable a stable, reliable and high picture quality while supporting synchronized video and audio recording, playback, and monitoring. This series also supports network based system control, as well as excellent network streaming capabilities. The ST-NVR*CH-F series is also P2P enabled, providing easy remote access with just a QR code. P2P Functionality enables a quick and secure remote connection to client devices including PC's smart phones and tablets.

ST-NVR4CH-F		ST-NVR8CH-F
System		
Main Processor	Dual-core embedded processor	
Operating System	Embedded LINUX	
Video		
IP Camera Input	4 channel	8 channel
Display		
Interface	1 HDMI, 1 VGA	
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	
Display Split	1/4	1/4/8/9
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
Recording		
Compression	H.264/MJPEG	
Resolution	1080P(1920×1080)/720P(1280×720)/D1 (704×576/704×480) & etc.	
Record Rate	Max 56Mbps	
Bit Rate	48~8192kbps	
Record Mode	Manual, Schedule(Regular(Continuous), MD), Stop	
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	
Video Detection		
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Buzzer & Screen tips	
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank	

Playback & Backup		
Sync Playback	1/4	1/4/9
Search Mode	Time/Date, MD & Exact search (accurate to second), Smart search	
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom	
Backup Mode	USB Device/Network/Internal SATA burner	
Network		
Ethernet	1RJ-45 port (10/100Mbps)	
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, IP Search(Support IP camera, DVR, NVS and etc.),SNMP, P2P	
Max User Access	128 users	
Smart Phone	iPhone, iPad, Android, Windows Phone	
Storage		
Internal HDD	1 SATA port, up to 1TB (2.5")	
Auxiliary Interface		
USB	2 ports (2 Rear), USB2.0	
General		
Power Supply	Single, DC5V/2A	
Power Consumption	<2W (without HDD)	
Working Environment	14°F~+131°F/10%~90%RH/86~106kpa	
Dimension (W×D×H)	7.5" × 5" × 1.4"	
Weight	0.7lbs (without HDD)	

Ordering Information:

ST-NVR4CH-F 4 Channel Standalone Network Video Recorder (NVR)
ST-NVR8CH-F 8 Channel Standalone Network Video Recorder (NVR)

WD5000LUCT
WD10JUCT

2.5" SATA Hard drive, 500GB
2.5" SATA Hard drive, 1TB

EZ CONNECT SERIES

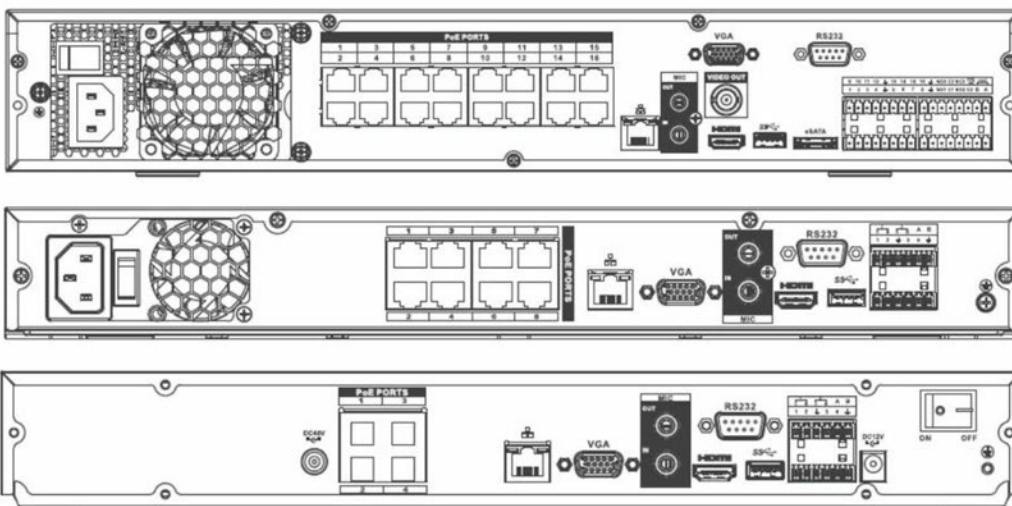
Stand Alone IP Network Video Recorders With Built-In PoE On All Ports

Features:

- Up to 4/8/16 channel with 1080P realtime live view
- Plug & play, no IP setup required to connect to cameras
- P2P Fast and easy remote connection
- H.264/MJPEG dual codec decoding
- Max 200Mbps incoming bandwidth
- Up to 5MP resolution preview & playback
- HDMI/VGA simultaneous video output
- 4/8/16 channel synchronous realtime playback, GRID interface
- ONVIF Version 2.3 conformance
- 3D intelligent positioning with PTZ cameras
- Support 2 SATA HDDs up to 8TB, 2 USB(1 USB3.0) / 4 SATA @ 16TB (ST-NVR-16CH-EZ)
- Supports IPC auto detect/configure
- Built in PoE (IEEE 802.3at) on all inputs
- Multiple network monitoring: Web viewer, SPSS, CMS(DSS/PSS) & DMSS
- 2 Year Warranty



The Securitytronix ST-NVR*CH-EZ CONNECT SERIES Embedded Digital Video Recorder is an excellent digital surveillance product which adopts H.264 video compression, hard disk recording, TCP/IP transmission, and a Linux based operating system in addition to some of the more advanced technologies in the information technology industry. With built in IEEE802.3at Power over Ethernet (PoE) powering, these NVRs have the ability to power PoE capable cameras directly and without the use of an external PoE switch. Couple the PoE capability with the smart search feature which can locate, address and configure Eye View IP series network cameras from Securitytronix and you have one of the most innovative NVRs available. The P2P connectivity allows for effortless remote connections from your NVR to PCs and mobile devices. These units enable a stable, reliable and high picture quality while supporting synchronized video and audio recording, playback, and monitoring. This series also supports network based system control, as well as excellent network streaming capabilities.



Ordering Information:

ST-NVR4CH-EZ	4 Channel Standalone Network Video Recorder (NVR)
ST-NVR8CH-EZ	8 Channel Standalone Network Video Recorder (NVR)
ST-NVR16CH-EZ	16 Channel Standalone Network Video Recorder (NVR)

Contents Include:

- 1 Standalone NVR
- 1 Mouse
- 1 Remote Control
- 1 CMS Software
- 1 Power Supply
- 1 Instruction Manual

EZ CONNECT SERIES

Stand Alone IP Network Video Recorders With Built-In PoE On All Ports

Specifications:

Model	ST-NVR4CH-EZ	ST-NVR8CH-EZ	ST-NVR16CH-EZ
System			
Main Processor	Dual Core Embedded Linux		
Operating System	Embedded Linux		
Video			
IP Camera input	4	8	16
Two Way Talk	1 channel Input, 1 channel Output, RCA		
Display			
Interface	1 HDMI, 1 VGA		
Resolution	1920X1080, 1280X1024, 1280X720, 1024X768		
Display Split	1/4	1/4/8/9	1/4/8/9/16
OSD	Camera Title, Time, Video Loss, Camera Lock, Motion detection, Recording		
Recording			
Compression	H.264/ MJPEG		
Resolution	5MP (2560X1920) / 3MP (2048X1536) / 1080P (1920X1080) / 720P (1280X720)		
Record Rate	200 Mbps		
Bit Rate	48-8192kbps		
Record Mode	Manual, Schedule(Regular/Continuous),MD,Alarm,Stop		
Record Interval	1~120min (default: 60min), Pre-record: 1~30 sec, Post-record: 10~300 sec		
Video Detection & Alarm			
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer, Screen Tips		
Video Detection	Motion Detection, MD Zones: 396 (22X18), Video Loss & Camera Blank		
Alarm Input	4	4	16
Relay Output	2	2	4
Playback& Backup			
Sync Playback	1/4	1/4/9	1/4/9/16
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search		
Playback Function	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next file, Previous file, Next camera, Previous Camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom		
Backup Mode	USB/ Network/ SATA	USB/ Network/ SATA	USB/ Network/SATA/eSATA
Network			
Ethernet	1 RJ45 port (10/100/1000Mbps)		
PoE	4 ports (IEEE802.3at)	8 ports (IEEE802.3at)	16 ports (IEEE802.3at)
Network Function	HTTP,P2P, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP filter, PPPOE, DDNS, FTP, Alarm server, IP search.		
Max User Access	128 Users		
Smart Phone	iPhone, iPad, Android, Windows Phone		
Storage			
Internal HDD	2 SATA ports, up to 8TB	2 SATA ports, up to 8TB	4 SATA ports, up to 16TB
External HDD			1 eSATA port (external HDD)
Auxillary Interface			
USB	2 Ports (1 Rear USB 3.0, 1 Front USB2.0)		
RS232	1 Port, For PC omunication&keyboard		
RS485	1 port, For PTZ control		
General			
Power Supply	DC12V/4A	Single, AC 100 ~240V, 50/60 Hz	Single, AC 100 ~240V, 50/60 Hz
Power Consumption	NVR: 20W(without HDD)	NVR: 20W(without HDD)	NVR: 40W(without HDD)
Working Environment	14°F ~ 131°F/ 10%~90%RH/ 86-106Kpa		
Dimensions (WDXH)	1U, 14"X11.2"X1.9"	1U, 14"X11.2"X1.9"	1.5U, 17.3"X16.1"X2.7"
Weight	4.4 lbs.	5.5 lbs.	13.2 lbs

ST-NVR-EVS Series Software Features:

- Network Video Recording software for a remote or on-site computer
- 32 or 64 Channels of live viewing
- Live view built-in motion & video analytics
- 4 or 16 Channel playback
- Single or Multiple server remote client
- 16 or 128 Channels of remote live viewing
- 4 or 16 Channels of remote playback
- Fixed or Customized stream profile
- Supports mobile devices
- 1 or 10 Layer E-map support
- Email notification
- Digital watermarking
- ST-NVR-EVSPRO+ version features POS Integration, Counting application, PTZ control and more

**Works With Analog,
IP & HD-Coaxinator**

Eye View Smart (EVS) PC Based Intelligent NVR Software With Embedded Video Analytics



The SecurityTronix ST-NVR-EVSPRO series is the latest PC based analytics software solution, known as Eye View Smart, or EVS. The EVS software is available in both the standard 32 camera version and the 64 camera EVS Plus version that showcases an expanded feature pack. The EVS software supports over 1,000 different IP camera models from more than 45 brands. Additional manufacturers and cameras are added on a regular basis to make EVS one of the most flexible NVR software applications available in the industry today. The standard EVS software is included with the purchase of any SecurityTronix PRO series IP camera.

The EVS suite includes mobile apps, map overlay, motion detection, event email notifications, and motion recording. The standard EVS software is field upgradable to the EVS Plus version. Users can have confidence that their surveillance system can evolve with their needs as the EVS Plus hosts additional advanced analytics such as foreign object placement, missing object notification, camera occlusion, and more.

The SecurityTronix EVS and EVS Plus software suites bring compelling value to the surveillance recording, analytics, and notification market. These all-in-one software suites are the perfect compliment to the SecurityTronix IP camera line. The SecurityTronix lab can customize complete and scalable systems using EVS software and several different hardware platforms to meet user needs.

	ST-NVR-EVSPRO	ST-NVR-EVSPRO+
Live View Max Channels	64 Channels	32 Channels
Live View Built-In Analytics	6 Types	2 (Motion, Digital I/O)
Playback	16 Channels	4 Channels
Playback Smart Search	Yes	No
Remote Clients	Multiple	Single Server
Remote Live View	128 Channels	16 Channels
Remote Playback	16 Channels	4 Channels
Stream Profile	Customized	Fixed
Mobile Device Support	Yes	Yes
E-Map Support	10 Layers	1 Layer
POS Integration	Yes	No
Counting Application	Yes	No
PTZ Control	Yes	No

1080p Cameras	4	9	16
CPU	Core i3 (3rd Generation) or better	Core i5 or better	Core i7 (3rd Generation) or better
RAM	2GB	4GB	6GB
Motherboard	Intel Recommended	Intel Recommended	Intel Recommended
Network	10/100	10/100 or GB	GB Ethernet

Eye View Smart Series Ordering Information:

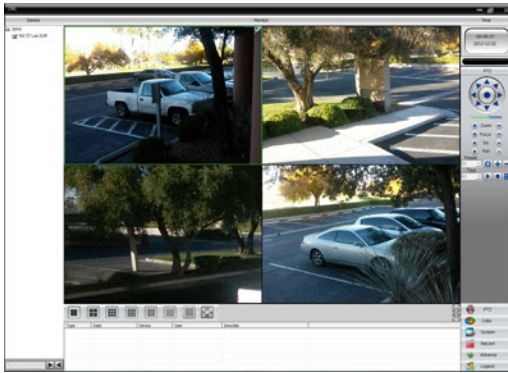
ST-NVR-EVSPRO	Standard Eye View Smart (EVS) Network Video Recorder (NVR) software
ST-NVR-EVSPRO+	Upgraded Eye View Smart (EVS) Network Video Recorder (NVR) software
ST-NVREVSPRO+UPGRADE	Software upgrade license to upgrade an existing ST-NVR-EVSPRO to ST-NVR-EVSPRO+

Project Series Ordering Information:

ST-EVSNVR-4-8	PC Based NVR Tower Pre-Configured with EVS Software for up to 8 IP Cameras
ST-EVSNVR-8-16	PC Based NVR Tower Pre-Configured with EVS Software for up to 16 IP Cameras



Also Available
PC Based NVR Towers
Pre-Configured with (EVS)
Eye View Smart Software
Units in stock for up to 16 cameras,
custom configurations also available.



Hybrid Analog & IP Digital Video Recorders

*Record both analog and
IP cameras on the same unit*



Features:

- Record both analog and IP cameras on the same unit
- All HVR models now feature full D1 recording resolution on all BNC inputs
- All three models support up to two SATA hard drives (max 6TB) or one hard drive and one DVD burner
- Timeline playback interface provides an easy way to review events
- 120fps (4Ch Unit), 240fps (8Ch Unit), 480fps (16Ch Unit) Video and audio real-time recording & playback
- Supports five functions: real-time display, recording, playback, network online backup and data transmission
- Flexible playback mode, multi screen preview
- Full screen or multi-screen video output
- Compression: H.264 Video, G711A Audio
- Advanced network functions, supports IE browser, client visiting and real time operation
- ONVIF 2.0 Compatible
- Convenient remote control, front panel, web or optical mouse operation
- Motion detection
- Linux operating system
- Supports mobile & 3G monitoring via Symbian, Windows Mobile, iPhone, Android and more
- Web client viewer
- USB
- All three models support up to 2 SATA hard drives or one hard drive and one DVD Burner
- On screen display
- TCP/IP, DDNS, PPPOE, CMS
- Pan - Tilt - Zoom control
- Multi language
- Hard drive not included
- Two year limited warranty

The ST-HVR8700 Series of HVRs are a next generation design for the security professional as a high value digital surveillance product. Based on an embedded LINUX operating system these units provide a very stable platform for years of trouble free operation. This series features standard H.264 video compression format and G.711A audio compression format which insures a high quality image, low error coding ratio and single frame playing. With TCP/IP network technology these HVRs can monitor remotely from anywhere through LAN, internet or smartphone. These HVRs are perfect for homes, banks, offices, hotels, bars, warehouses and other commercial applications.

Ordering Information:

ST-HVR8704 4 Channel DVR
ST-HVR8708 8 Channel DVR
ST-HVR8716 16 Channel DVR

WDC5000AVDS	500GB Hard drive
WD10EURX	1TB Hard drive
WD20EURS	2TB Hard drive
WD30EURX	3TB Hard drive
WD40PURX	4TB Hard drive
GH24NS95	DVD / RW Backup

Contents Include:

- | | |
|---|--|
| 1 | DVR |
| 1 | IR Remote control |
| 2 | AAA Batteries |
| 1 | Optical mouse |
| 1 | Power supply |
| 8 | Hard drive screws |
| 2 | Hard drive cables (inside the unit) |
| 1 | CD With User manual, Programming Manual & DVR Software |
| 1 | Instruction manual |



Hybrid Analog & IP Digital Video Recorders

**New STVIEW
Advanced Mobile App
Now Available!**

ST-HVR8704
Back View



ST-HVR8708
Back View



ST-HVR8716
Back View



**Wi-Fi
COMPATIBLE**



**\$49.99 ea.
ST-DVR-WIFI**

Wifi upgrade kit for
ST-HVR Series.
Kit includes upgrade firmware,
Wifi adapter and instruction sheet.

Specifications:

Model	ST-HVR8704	ST-HVR8708	ST-HVR8716
Compression		H.264 baseline profile@L3.1	
Video Inputs	BNC×4	BNC×8	BNC×16
Video Outputs		HDMI×1, BNC×1, VGA×1	
Display		Preview: 720×576 (PAL), 720×480(NTSC) Video: D1 :704×576 (PAL), 704×480(NTSC) HD1:704×288 (PAL), 704×240(NTSC);CIF: 352×288 (PAL), 320×240(NTSC)	
NTSC Resolution	NTSC : 4CH D1*30FPS=120FPS	NTSC: 8CH D1*30FPS=240FPS	NTSC:16CH D1*30FPS=480FPS
PAL Resolution	PAL : 4CH D1*25FPS=100FPS	PAL:8CH D1*25FPS=200FPS	PAL:16CH D1*25FPS=400FPS
Local analog input	4*D1/4 *960H@25fps	8*HD1/8 *D1/8*960H@12fps	16* HD1/16 *D1/16*960H@12fps
Local analog + network dig in	2 *D1+(1*1080P+1*720P)	2 *D1+(1*1080P+ 1*720P)	4*D1+(1*1080P+ 3*720P)
All network digital input	8*960H /4*720P /2*1080P /1*720P+7*D1 /1*1080P+1*720P+2*D1	8*960H /4*720P /2*1080P /1*720P+7*D1 /1*1080P+1*720P+2*D1	16*D1 /2*1080P +2*720P /1*1080P+1*720P+6*960H /8*720P
Audio Input	RCA×4	RCA×8	RCA×2
Audio Output	RCA×1	RCA×1	RCA×1
Alarm Inputs	4CH	4CH	4 CH
Alarm Outputs	1CH	1CH	1CH
Video Mode	Manual recording, scheduled recording, motion detection and external alarm video recording		
28 Languages	SimChinese. TradChinese. English. Farsi. Slovakia. Hebrew. Czech. Bulgarian. Arabic. Indonesian. Korean. Brazilian. Romanian. Vietnamese. Turkey. Thai. Spanish. Russian. Portugal. Poland. Japanese. Italian, Hungarian. Greek. German. Finnish. Farsi		
Simplex/Duplex/Triplex	Triplex (recording, playback, Network)		
Network Interface	RJ-45 (10M/100M Adaptive)		
PTZ Control	Yes, you can set initialization point. Can drag and zoom the screen by mouse		
Recording Mode	RS485×1, USB2.0×2		
HDD	2 HDD with SATA interface and capacity over 3TB		
Wireless Port	3G. WIFI(extension via USB port)		
Cloud Technology	Yes		
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to the second)		
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid (Redundancy)		
Mouse	USB Mouse		
IR Remote Control	Included		
Power	12V/5A DC Adapter		
Power Consumption	<10 W		
Operating Temperature	32°F - 131°F		
Working Humidity	10%-90%		
Atmospheric Pressure	86kpa-106kpa		

ST-HVR Series Camera Capacity Samples

ST-HVR8704	Analog Cameras		IP Cameras				Total
	960H	D1	1080p	720p	960H	D1	Cams
Combination 1	4						4
Combination 2		4					4
Combination 3		2	1	1			4
Combination 4						9	9
Combination 5					8		8
Combination 6				4			4
Combination 7			2				2
Combination 8			1				1
Combination 9				1		7	8
Combination 10			1	1		2	4

ST-HVR8708	Analog Cameras			IP Cameras				Total
	960H	D1	HD1	1080p	720p	960H	D1	Cams
Combination 1		8						8
Combination 2	8							8
Combination 3			8					8
Combination 4		2		1	1			4
Combination 5							9	9
Combination 6						8		8
Combination 7					4			4
Combination 8				2				2
Combination 9				1				1
Combination 10					1		7	8
Combination 11				1	1		2	4

ST-HVR8716	Analog Cameras				IP Cameras				Total
	960H	D1	HD1	CIF	1080p	720p	960H	D1	Cams
Combination 1		16							16
Combination 2	16								16
Combination 3			16						16
Combination 4				16					16
Combination 5		4		12					16
Combination 6		4			1	3			8
Combination 7								16	16
Combination 8					2	2			4
Combination 9					1	1	6		8



Features:

- 1/3" CMOS Sensor
- 3.6mm Fixed lens
- 700 TV Lines
- 0.1 Lux Color / 0.0 Lux B&W
- Three axis mount
- Cable hidden bracket design
- 66' Infrared range
- Super back light compensation
- IP66 Water Resistance

Ordering Information:

ST-BT7003.6-B2 Camera With 3.6mm Lens & Black Housing
ST-BT7003.6-W2 Camera With 3.6mm Lens & White Housing

Securitytronix Bullet Cameras

Color Infrared Weatherproof Bullet Camera With CMOS Sensor

Specifications:

Image Sensor	1/3" Digital Image Sensor
Effective Picture Elements	NTSC: 728(H)×488(V)
Horizontal Resolution	700TV Line
Minimum Illumination	0.1 Lux Color, 0.0 Lux B/W 0 Lux (with IR LED ON)
S/N Ratio	>48dB
Scanning Type	Interlaced Scanning
Electronic Shutter Time	NTSC: 1/60s~1/100,000s
Gamma Characteristic	0.45
Number Of IR LEDs	24
IR Distance	66 Feet (with Infrared LED)
IR Cut	Auto
BLC	Super Back Light Compensation
White Balance	Auto
Video Output	1Vpp, 75Ω
Power/Current	DC12V/350mA
Lens	3.6mm Fixed Lens
Weather Rating	IP66
Dimensions	3.25"W x 2.4"H x 5.2"D
Weight	14.1 Ounces
Storage Temperature	-10°F to +140°F
Operating Temperature	+20°F to +110°F
Warranty	2 Year



Features:

- SONY 1/3" CCD Sensor
- 2.8-12.0mm Manual zoom lens
- 800 TV Lines
- 0 Lux
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Built-In Auto Electronic Shutter (AES) up to 1/100,000s
- Gamma Characteristic 0.45
- IP65 Water Resistance

Ordering Information:

ST-DLI800IRVP2812-B Black Housing
ST-DLI800IRVP2812-W White Housing

Securitytronix Dome Cameras

Low Illumination Vandalproof IR Color Dome Camera

Specifications:

Pick up Element	1/3" SONY
Effective Picture Elements	NTSC: 768(H)×494(V)
Horizontal Resolution	800TV Lines
Minimum Illumination	0.001 Lux; 0 Lux (with IR LED on)
S/N Ratio	>48dB
Scanning System	2:1 interface
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s
Gamma Characteristic	0.45
IR Distance	100 Feet (with Infrared LED)
IR Status	Under 10 Lux by CDS
IR Power On	CDS AUTO Control
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	DC12V/500mA
Lens	2.8-12mm Manual Zoom Lens
Dimension	5.16"(W) x 3.7"(H), 1.9 lbs.
Storage Temperature	-22°F to +140°F
Operating Temperature	+14°F to +113°F
Warranty	1 Year

Securitytronix Bullet Cameras

Wide Dynamic Range
Weatherproof Color Infrared Camera

Features:

- SONY 1/3" Super HAD CCD Sensor
- Digital Wide Dynamic Range (DWDR)
- Varifocal 2.8 - 12mm Lens
- 700 TV Lines
- 0 Lux
- Integrated tuning tools for focus & zoom
- On screen display
- Three axis mount
- Cable hidden bracket design
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Dual voltage: 12VDC / 24VAC
- IP66 Water Resistance
- Includes extension adapter
- 2 Year Warranty



Ordering Information

ST-BTWD700IR2812-W White Housing
ST-BTWD700IR2812-B Black Housing

**New OSD
Controller**



Vandalproof IR Color Dome Camera



Features:

- 1/3" Pixel Plus CMOS Sensor
- 3.6mm Fixed lens
- 700 TV Lines
- 0.1 Lux Color, 0 Lux Black & White
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Built-In Auto Electronic Shutter (AES) up to 1/100,000s.
- Gamma Characteristic 0.45
- IP65 Weather Rating

Specifications:

Image Sensor	1/3" Pixel Plus Color CMOS
Scanning System	NTSC
Horizontal Resolution	700TV Lines
Synchronization	Internal, Negative Sync
Minimum Illumination	0.1Lux Color, 0 Lux B&W
Scanning System	2 :1 interlace
Auto Electronic Shutter	1/60s~1/100,000s
Auto Gain Control	Automatic
Lens	3.6mm F2.0 Board Lens
S/N Ratio	>48dB
IR LED	24 units
IR Distance	65 feet/20 meters
IR Power On	CDS Auto Control
Gamma Correction	0.45
Video Output	1.0Vp-p/75Ω
Operating Temperature	14F° - 113°F
Operating Humidity	<95%
Weather Rating	IP65
Power Requirements	DC12V @350mA
Dimensions	3.7" x 2.7"
Weight	14.1 oz
Warranty	2 Year

The ST-D700IRVP3.6-*2 is a professional grade, vandalproof infrared color dome camera. The camera uses a 1/3" Pixel Plus Color CMOS sensor providing 700TV lines of resolution. The ST-D700IRVP3.6-*2 has a 3.6mm lens for optimal viewing. The 3-axis mount makes this camera very easy to install and position. The 24 infrared LEDs support low light illumination down to 0 Lux.

Ordering Information:

ST-D700IRVP3.6-B2 Black Housing
ST-D700IRVP3.6-W2 White Housing

Package Contents:

1	ST-D700IRVP3.6-*2 Camera
1	Mounting hardware
1	Instruction manual



Securitytronix Bullet Cameras

Low Illumination, Dual Voltage
Weatherproof Color Infrared Camera

Features:

- SONY 1/3" CCD Sensor
- 2.8-12mm Manual zoom lens
- 1000 TV Lines
- 0 Lux
- Three axis mount
- Cable hidden bracket design
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Built-In Auto Electronic Shutter (AES) up to 1/100,000s.
- Gamma Characteristic 0.45
- IP66 Water Resistance

Ordering Information:

ST-BT1000IRVFDV-W White Housing
ST-BT1000IRVFDV-B Black Housing

Specifications:

Pick up Element	1/3"SONY
Effective Picture Elements	NTSC: 768(H)×494(V)
Horizontal Resolution	1000 TV Line
Minimum Illumination	0.001 Lux; 0 Lux (with IR LED On)
S/N Ratio	>48dB
Scanning System	2:1 interface
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s
Gamma Characteristic	0.45
IR Distance	165 Feet (with Infrared LED)
IR Status	Under 10 Lux by CDS
IR Power On	CDS AUTO Control
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	Dual Voltage 12VDC/24VAC
Lens	2.8-12mm Manual Zoom Lens
Dimension	11.6"(W) x 4.75"(H) x 4.05"(D)
Weight	3.1 lbs.
Storage Temperature	-22°F to +140°F
Operating Temperature	+14°F to +113°F
Warranty	2 Year



Securitytronix Dome Cameras

Wide Dynamic Range
Vandalproof IR Color Dome Camera

Features:

- SONY 1/3" Sensor
- Digital Wide Dynamic Range (DWDR)
- 2.8-12.0mm Manual zoom lens
- 1,000 TV Lines, 720p
- 0.01 Lux, 0 Lux with IR LED on
- On screen display
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Gamma Characteristic 0.45
- IP65 Water Resistance

Ordering Information:

ST-DWD1000IRVP2812-B Black Housing
ST-DWD1000IRVP2812-W White Housing

Specifications:

Pick up Element	1/3" SONY Sensor
Effective Picture Elements	NTSC: 1280(H)×720(V)
Horizontal Resolution	1,000 TV Lines (720p)
Minimum Illumination	0.01 Lux; 0 Lux (with IR LED ON)
S/N Ratio	>52dB
Scanning System	2:1 interface
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s
Gamma Characteristic	0.45
IR Distance	100 Feet (with Infrared LED)
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	DC12V/600mA
Lens	2.8-12mm Manual Zoom Lens
Dimension	5.16"(W) x 3.7"(H)
Weight	1.9 lbs.
Storage Temperature	-22°F to +140°F
Operating Temperature	+14°F to +113°F
Warranty	2 Year

Securitytronix 720TVL Dome Cameras

Color Outdoor Infrared Varifocal Dome Camera

Features:

- 1/3" Sony Effio-P CCD Sensor
- 2.8mm - 12mm Manual Zoom lens
- 720 TV Lines
- 0.001 Lux Color, 0 Lux Black & White
- Automatic Defog
- Wide Dynamic Range (WDR)
- 3DNR, Sense-Up, On Screen Display
- 65' IR Range
- Gamma Characteristic 0.45
- IP66 Rated Outdoor housing
- 2 Year Warranty



Sensor	1/3" Sony Effio-P CCD
Pixels (HxV)	976 x 494
Scanning System	NTSC
Horizontal Resolution	720TV Lines
Synchronization	Internal, Negative Sync
Minimum Illumination	0.001 Lux Color, 0 Lux B&W
Scanning System	2 :1 interlaced
Electronic Shutter	Auto, 1/60s ~1/100,000s
Gain Control	Automatic
Lens	2.8-12mm Manual Zoom Lens

S/N Ratio	>52dB
IR LED	φ5x21PCS
IR Viewing Distance	Up to 65 feet
Gamma Characteristic	0.45
Video Output	1.0Vp-p/75Ω
Operation Temperature	14°F - 113°F
Power Supply	DC12V 600mA (not included)
Dimensions	6.00"(W) x 4.25"(H), 2.65 lbs.
Storage Temperature	-22°F - 140°F
Operating Temperature	14°F - 113°F

Ordering Information:

ST-DWDIRVF2812-720B	720TVL Vandalproof Dome Camera with IR, Black Housing
ST-DWDIRVF2812-720W	720TVL Vandalproof Dome Camera with IR, White Housing

Securitytronix 720TVL Dome Cameras

Color Outdoor Varifocal Dome Camera

Features:

- 1/3" Sony Effio-P CCD Sensor
- 2.8mm - 12mm Manual Zoom lens
- 720 TV Lines
- 0.001 Lux
- Automatic Defog
- Wide Dynamic Range (WDR)
- 3DNR, Sense-Up, On Screen Display
- Gamma Characteristic 0.45
- IP66 Rated Outdoor housing
- 2 Year Warranty



Sensor	1/3" Sony Effio-P CCD
Pixels (HxV)	976 x 494
Scanning System	NTSC
Horizontal Resolution	720TV Lines
Synchronization	Internal, Negative Sync
Minimum Illumination	0.001 Lux
Scanning System	2 :1 interlaced
Electronic Shutter	Auto, 1/60s ~1/100,000s
Gain Control	Automatic

Lens	2.8-12mm Manual Zoom Lens
S/N Ratio	>52dB
Gamma Characteristic	0.45
Video Output	1.0Vp-p/75Ω
Operation Temperature	14°F - 113°F
Power Supply	DC12V 350mA (not included)
Dimensions	5.75"(W) x 4.25"(H), 2.65 lbs.
Storage Temperature	-22°F - 140°F
Operating Temperature	14°F - 113°F

Ordering Information:

ST-DWDVF2812-720B	720TVL Vandalproof Dome Camera, Black Housing
ST-DWDVF2812-720W	720TVL Vandalproof Dome Camera, White Housing

Features:

- 1/3" CMOS Sensor
- 2.8mm - 12mm Manual Zoom lens
- 700 TV Lines
- 0.1 Lux
- 65' IR Range
- Gamma Characteristic 0.45
- Indoor housing
- 2 Year Warranty

Indoor Varifocal IR Dome Cameras



The ST-D700IR2812-B/W is an indoor dome infrared color camera designed around a 1/3" Color CMOS imager with 700TVL of resolution and 21 infrared LEDs providing visibility up to 65 feet in total darkness. The camera's 2.8mm – 12mm manual zoom lens allows adjustment for an optimal field of view. The 3-axis bracket, size and packaging allow it to be easily and discretely installed. Its rich color, high definition, and stability make it attractive for CCTV security applications.

Imager	1/3" CMOS	S/N Ratio	>48dB
Pixels (HxV)	756x504	IR LED	36
Scanning System	NTSC	IR Viewing Distance	Up to 65 feet
Horizontal Resolution	700TV Lines	IR Status	Under 10Lux by CDS
Synchronization	Internal, Negative Sync	IR Power On	CDS Auto Control
Minimum Illumination	0.1Lux	Gamma Characteristic	0.45
Scanning System	2 :1 interlaced	Video Output	1.0Vp-p/75Ω
Electronic Shutter	Auto, 1/60s ~1/100,000s	Operation Temperature	14°F - 113°F
Gain Control	Automatic	Power Supply	DC12V 550mA (not included)
Lens	2.8-12mm Manual Zoom Lens	Dimensions	5.00"(W) x 3.5", 0.7 lbs.

Ordering Information:

ST-D700IR2812-B	Black Housing
ST-D700IR2812-W	White Housing

Features:

- 1/3" CMOS Sensor
- 2.8mm - 12mm Manual Zoom lens
- 700 TV Lines
- 0.1 Lux
- Gamma Characteristic 0.45
- Indoor housing
- 3 Axis mounting bracket
- 2 Year Warranty

Indoor Varifocal Dome Cameras



The ST-D7002812-B/W is an indoor dome color camera designed around a 1/3" Color CMOS imager with 700TVL of resolution. The camera's 2.8mm – 12mm manual zoom lens allows adjustment for an optimal field of view. The 3-axis bracket, size and packaging allow it to be easily and discretely installed. Its rich color, high definition, and stability make it attractive for CCTV security applications.

Imager	1/3" CMOS	Electronic Shutter	Auto, 1/60s ~1/100,000s
Pixels (HxV)	756x504	Gain Control	Automatic
Scanning System	NTSC	Lens	2.8-12mm Manual Zoom Lens
Horizontal Resolution	700TV Lines	S/N Ratio	>48dB
Synchronization	Internal, Negative Sync	Gamma Characteristic	0.45
Minimum Illumination	0.1Lux	Video Output	1.0Vp-p/75Ω
Scanning System	2 :1 interlaced	Operation Temperature	14°F - 113°F
		Power Supply	DC12V 350mA (not included)
		Dimensions	5.00"(W) x 3.5"
		Weight	0.7 lbs

Ordering Information:

ST-D7002812-B	Black Housing
ST-D7002812-W	White Housing

Securitytronix Covert Functional Smoke Detector Cameras

Features:

- 1/3 Sony Super HAD CCD
- 520 TVL
- 3.7mm Pinhole lens
- Minimum illumination: 0.5 Lux @ F1.2
- Auto gain control (AGC)
- Auto white balance control (AWB)
- Back light compensation (BLC)
- Functional smoke detector
- 2 Year warranty

ST-CVTSD520-WSD-W

Smoke detector camera,
520 TV Lines



Description:

The ST-CVTSD520-WPIR-W is a covert indoor smoke detector cameras designed around a color SONY CCD with 520TVL of resolution. The camera's design, size and packaging allow it to be easily and discretely installed. The rich color, high definition, stability and resistance to jamming make them attractive for CCTV security applications.

Ordering Information:

ST-CVTSD520-WSD-W

Smoke detector camera, 520 TV Lines

Package Includes:

- 1 Covert smoke detector color camera
- 1 Installation manual

Securitytronix Covert Working PIR Motion Detection Color Cameras

Features:

- 1/3 Sony Super HAD CCD
- 520 TVL
- 3.7mm Pinhole lens
- Minimum illumination: 0.5 Lux @ F1.2
- Working passive infrared sensor (PIR)
- Auto gain control (AGC)
- Auto white balance control (AWB)
- Back light compensation (BLC)
- 2 Year warranty

ST-CVTMD520-WPIR-W

Motion detector camera,
520 TV Lines



Description:

The ST-CVTMD520-WPIR-W is a covert indoor motion detection cameras designed around a color SONY CCD with 520TVL of resolution. The camera's design, size and packaging allow it to be easily and discretely installed. The rich color, high definition, stability and resistance to jamming make them attractive for CCTV security applications.

Ordering Information:

ST-CVTMD520-WPIR-W

Motion detector camera, 520 TV Lines

Package Includes:

- 1 Covert motion detection color camera
- 1 Installation manual

Securitytronix Pan-Tilt-Zoom Cameras

Vandalproof Mini PTZ Speed Dome Camera

Features:

- 650 TV Lines Color, 700 TV Lines B&W
- Wide Dynamic Range
- 0.001 Lux Day Night Vision
- 1/3" Sony Super HAD II Color CCD Sensor
- 12X Optical zoom lens (5 - 60mm)
- Vandal Proof Housing
- Built-in auto gain control (AGC) circuit allows this camera to produce a high definition picture in low light conditions
- Auto focus
- Supports 16 Presets
- IP66 Weather Rating
- On Screen Display addressable
- 1 Year Warranty

Ordering Information: ST-WD650PTZMINI-12X



Contents Include:

- 1 ST-WD650PTZMINI-12X Camera
- 1 Wall mount
- 1 Mounting hardware
- 1 Instruction Manual

ST-PTZIR650-23X High-Speed Intelligent PTZ Color Dome Camera With Infrared

Features:

- 1/3" Sony Exview CD with 650 TV Lines of resolution
- 23X Optical Zoom, 3.9mm - 89.7mm
- Intelligent IR illumination & power consumption are variable, dependent upon the zoom factor.
- Pan and zoom functions are performed simultaneously for faster target acquisition.
- 4 path patterns. Each path can record 512 different instructions or 900s of PTZ instructions.
- Manual speed control. Smooth operation even at the lowest 0.02°/s speed.
- 4 guard groups. Up to 16 preset points can be assigned in each tour. Each of the 16 points can be adjusted independently for dwell time and travel speed.
- Strong video processing ability supports auto-tracking and motion detecting alarm functions.
- The dome can remember its current operation before being powered off and return to its previous operation after power is restored.
- Built-in fan and heater for automatic temperature control. Heater operates below 32°F and fan operates above 104°F.
- Multiple language OSD menu, English, Spanish, Chinese etc.
- Adjustable IR illumination response to ambient light
- Accurate step motor control provides for stable running, precise location and sensitive response.
- Metal housing with IP66 environmental rating.
- Built-in 6000V anti-surge protection
- 1 Year Warranty

Description:

The ST-PTZIR650-23X is a professional grade infrared intelligent dome color camera with pan, tilt and zoom (PTZ) capability and 650TVL resolution. The camera's non-volatile digital memory allows the saving of all settings. Its 220 preset positions provide versatility for cruise routes and tour functions. The ST-PTZIR650-23X's mechanical design permits continuous horizontal 360° rotation and 90° vertical flip. Temperature management is built-in.

Ordering Information:

ST-PTZIR650-23X Pan-Tilt-Zoom Camera



ST-PTZMINI-IR10X Miniature Pan-Tilt-Zoom Dome Camera With Infrared & 10X Optical Zoom

Features:

- 1/3" Sony super HAD CCD Sensor, 650 TVL
- 10X Optical zoom, 5-50mm
- 0.01 Lux Color, 0 Lux B&W, 165' IR Distance
- Wide Dynamic Range
- On Screen Display
- Intelligent IR illumination & power consumption is variable
- Pan, Tilt and Zoom are all performed simultaneously
- 4 patterns - Each records 512 different PTZ instructions or roughly 600 seconds of PTZ path operation
- 4 Tour groups - The dwell time and position of 16 preset points per tour can be edited independently
- Built-in high precision real-time clock
- Heater engages below 32° F and fan engages above 104° F
- Ratio of illumination to ambient light can be adjusted
- Metal chassis with IP 66 environmental rating
- Built-in 6000V lighting and surge protection equipment
- IK06 Impact Rated Housing
- One year warranty

Description:

The ST-PTZMINI-IR10X is a professional grade infrared intelligent dome color camera with pan, tilt and zoom (PTZ) capability and 650TVL resolution. The camera's non-volatile digital memory allows the saving of all settings in the event of power loss. Its 220 preset positions provide versatility for cruise routes and tour functions. The ST-PTZMINI-IR10X's mechanical design permits continuous horizontal 360° rotation and 90° vertical flip. Temperature management is built-in.



Specifications:

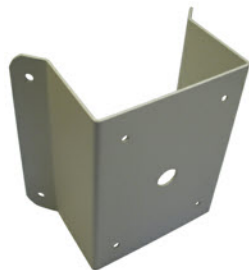
Horizontal Rotation Speed	0.02°-200°/s	Pattern Scan Record	max. 512 commands (Roughly 10 minutes)
Tilt Rotation Speed	0.02°-120°/s	Park Time	1-60 minutes available
Horizontal Rotation Range	360°	PWR on Action	Memory/Pattern/Tour/360° scan/A-B scan/Pre 1-8/None
Tilt Rotation Range	93°	Park Action	Pattern/Tour/360° scan/A-B scan/Preset 1-8/None
Auto Flip	Horizontal 180°, Vertical 93°	Communication Protocol	Pelco-D, Pelco-P
Zoom-proportional Speed	Supported	Communication	RS485 Bus
Auto control IR LED	PWM	Baud Rate	1200/2400/4800/9600bps
IR Testing Time	2-15s selectable	Camera ID (soft ID supported)	1-255
Ambient Light Reporting	0-50 grades	3D Location	Supported
IR Illumination On	0-25 grades selectable	OSD Menu	Multiple Language
IR Output Power	1-9 grades selectable	Time Scheduling function	8 tasks
IR Standby Power	1-9 grades selectable	Operating Temperature	-40°F ~ +140°F
IR Standby Time	2-15s selectable	Operating humidity	≤95% Non-condensing
A-B Scan	User programmable	Heater & Blower	Auto temperature control
A-B Scan Speed	1-9 speed setting available	Power	24VAC 3A
360° Scan Speed	1-9 speed setting available	Lightning protection	Transient voltage up to 6000V
Dwell Preset	5-60s interval	IR Illumination Distance	165ft
Preset Points	220	Weather Rating	IP66
Go to Preset Speed	200°/s	Power Consumption	≤ 15W
Programmable Tours	4 groups	Dimensions	5.75"W x 8.5"H
Points Per Tour	Max. 16 points, dwell time user selectable		
Pattern Scan	4 patterns		

Package Includes:

1	ST-PTZMINI-IR10X PTZ Camera
1	Wall mount bracket
1	24VAC, 3A power supply
1	Instruction manual

Ordering Information:

ST-PTZMINI-IR10X	Pan-Tilt-Zoom Camera
ST-PTZMINI-IRCMB	Optional Ceiling Mount Bracket
ST-PTZMINI-IRCRNR	Optional Corner Mount Bracket



ST-PTZCORNER

Corner Mount For
Securitytronix PTZ
Style Cameras

Hole Patterns

- 65 x 160 mm
(Fits ST-PTZ550-27,
ST-PTZ480-22X)
- 115 x 170 mm
- 118 X 212mm



ST-MINIPTZCMB

Ceiling Mount Bracket
For Securitytronix
ST-PTZMINI-10XTA &
ST-WD650PTZMINI-12X
Cameras



ST-PTZMINI-IRCRNR

Corner Mount For
Securitytronix PTZ
Style Cameras

Hole Patterns

- 52 x 96 mm
(Fits ST-PTZMINI-IR10X)
- 66 x 90 mm
- 100 x 155 mm



ST-PTZPOLE

Pole Mount For
Securitytronix PTZ
Style Cameras
Designed for use with
Securitytronix PTZ camera
models ST-PTZIR550-27
& ST-PTZIR480-30X



ST-PTZPEND94

11 1/4" Length PTZ Camera Mount
Designed for use with Securitytronix
PTZ camera model ST-PTZIR550-27

ST-PTZMINI-IRCMB

Optional Ceiling Mount
Bracket (6.75" Long)
Designed for use with
Securitytronix PTZ camera
model ST-PTZMINI-IR10X



ST-PTZPEND78

7 1/2" Length PTZ Camera Mount.
Designed for use with Securitytronix PTZ
camera models ST-PTZ480-22X,
ST-PTZIR550-27, ST-PTZIR480-30X



ST-TDWMB-B Black Finish ST-TDWMB-W White Finish

Wall mount bracket for camera models
ST-DLI800IRVP2812-B/W,
ST-DWD1000IRVP2812-B/W



ST-PTZMINI-KB Miniature Keyboard Controller

Features:

- RS485 Bus Line and keyboard can connect to up to 31 dome cameras.
- Compatible with most control protocols.
- Controls Iris, Focus and Zoom.
- Set and call presets, run scanning patterns and tours.
- Matrix control enables controlling domes indirectly.
- Equipped with 3D Joystick and LCD screen.
- LCD can display current operation orders, protocol name, current dome ID, current monitor ID and the state of the joystick.



Specifications:

Communication:	RS485
Communication Distance:	RS485, 4,000 Feet
Baud Rate:	2400,4800,9600,19200 bps optional
Protocol:	Pelco-P/Pelco-D
Power Supply:	DC12V, 250MA
Operating Temperature:	14°F to 131°F
Dimensions:	6.6"L x 5.35"W x 4.1"H

Specifications:

Communication Protocol:	RS-485
Communication Distance:	Up to 3,900 Feet
Baud Rate:	1200, 2400, 4800, 9600 and 19200 Bits/S
Interface:	5 Pin pressure line terminal
Operating Temperature:	14°F - 131°F
Relative Humidity:	<90%
Power Supply:	12VDC, 2A
Dimensions:	12" x 5.8" x 3.2"
Weight:	1.5 lbs.

ST-PTZ-KB PTZ Keyboard Controller



The ST-PTZ-KB is a professional grade pan, tilt, zoom (PTZ) controller for up to 255 PTZ-enabled CCTV cameras and other devices. The unit uses RS-485 communications, includes an LCD display and a 3-axis joystick. Single key protocol and baud rate retrieval of a current control address is an innovative feature. Password protected to lock out unauthorized users.

Ordering Information:

ST-PTZ-KB Keyboard Controller

Features:

- Includes 1 handheld infrared remote control & 1 receiver base
- Power supply for PTZ dome controller and batteries for remote control not included
- Allows for PTZ control of up to 255 PTZ cameras
- Supports PELCO-D / P

Ordering Information:

ST-PTZ-RC Infrared Remote PTZ Controller



ST-IP-BT3.6 Series Fixed Lens IP Bullet Cameras

Features:

- 1/4" 1 Megapixel progressive scan CMOS sensor (ST-IP-BT3.6-1)
- 1/3" 2 Megapixel progressive scan CMOS sensor (ST-IP-BT3.6-2)
- H.264 & MJPEG dual-stream encoding
- Max 25/30fps@720P(1280×720)
- DWDR - Digital Wide Dynamic Range
- Day/Night(ICR), 3DNR,AWB,AGC,BLC
- Multiple network monitoring: Web viewer, SPSS, CMS(DSS/PSS) & DMSS
- 3.6mm fixed lens
- Max. IR LEDs Length 65 Feet
- IP66 Rated housing
- 12VDC,PoE
- 2 Year Warranty

ST-IP-BT3.6-1 1MP

ST-IP-BT3.6-2 2MP



Description:

The Securitytronix ST-IP-BT3.6 series cameras are professional series 1 and 2 Megapixel IP cameras featuring either a 1/4" (1MP) or 1/3" (2MP) CMOS sensor and a fixed 3.6mm lens. This camera is perfect for day and night applications, the IR LEDs provide illumination of objects up to 65' away. Powering can be achieved through an external 12VDC power supply or via a separate PoE (Power over Ethernet) switch. The ST-IP-BT3.6 series are ONVIF Profile 'S' (Open Network Video Interface Forum) compliant. The IP66 outdoor housing can be wall or ceiling mounted.

Ordering Information:

ST-IP-BT3.6-1 IP Bullet Camera, 1 Megapixel, Fixed 3.6mm Lens
ST-IP-BT3.6-2 IP Bullet Camera, 2 Megapixel, Fixed 3.6mm Lens

Package Includes:

1 IP Camera	1 Software CD
1 Operation manual	1 Mounting hardware

Features:

- 1/4" 1 Megapixel progressive scan CMOS sensor (ST-IP-BTVF-1)
- 1/2.8" 2 Megapixel progressive scan CMOS sensor (ST-IP-BTVF-2)
- H.264 & MJPEG dual-stream encoding
- 25/30fps@720P(1280×720), 25/30FPS@1080P(1920x1080)
- DWDR - Digital Wide Dynamic Range
- Day/Night(ICR), 3DNR,AWB,AGC,BLC
- Multiple network monitoring: Web viewer, SPSS, CMS(DSS/PSS) & DMSS
- 2.8 - 12mm Varifocal lens
- Max. IR LEDs Length 98 Feet
- IP66 Rated housing
- 12VDC, PoE
- 2 Year Warranty

ST-IP-BTVF-1 1MP

ST-IP-BTVF-2 2MP

ST-IP-BTVF Series Varifocal Lens IP Bullet Cameras



Description:

The Securitytronix ST-IP-BTVF series cameras are professional series 1 and 2 Megapixel IP cameras featuring either a 1/4" (1MP) or 1/2.8" (2MP) CMOS sensor and a varifocal lens. This camera is perfect for day and night applications, the IR LEDs provide illumination of objects up to 98' away. Powering can be achieved through an external 12VDC power supply or via a separate PoE (Power over Ethernet) switch. The ST-IP-BTVF series are ONVIF Profile 'S' (Open Network Video Interface Forum) compliant. The IP66 outdoor housing can be wall or ceiling mounted.

Ordering Information:

ST-IP-BTVF-1 IP Bullet Camera, 1 Megapixel, Varifocal Lens
ST-IP-BTVF-2 IP Bullet Camera, 2 Megapixel, Varifocal Lens

Package Includes:

1 IP Camera	1 Software CD
1 Operation manual	1 Mounting hardware

ST-IP-MD3.6 Series Fixed Lens IP Mini-Dome Cameras

Features:

- 1/3" 2Megapixel progressive scan CMOS (ST-IP-MD3.6-2)
- 1/4" 1Megapixel progressive scan CMOS (ST-IP-MD3.6-1)
- H.264 & MJPEG dual-stream encoding
- Max 25/30fps@1080P(1920×1080), 25/30fps@720P
- Digital Wide Dynamic Range (DWDR)
- Day/Night, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 3.6mm fixed lens
- DC12V, PoE
- For indoor use
- 2 Year Warranty

ST-IP-MD3.6-1 1MP

ST-IP-MD3.6-2 2MP



Description:

The Securitytronix ST-IP-MD3.6 series cameras are professional series 1 and 2 Megapixel IP cameras featuring either a 1/4" (1MP) or 1/3" (2MP) CMOS sensor and a fixed 3.6mm lens. This camera is perfect for indoor applications. Powering can be achieved through an external 12VDC power supply or via a separate PoE (Power over Ethernet) switch. The ST-IP-MD3.6 series are ONVIF Profile 'S' (Open Network Video Interface Forum) compliant. The ST-IP-MD3.6 series can be wall or ceiling mounted.

Ordering Information:

ST-IP-MD3.6-1 IP Mini-Dome Camera, 1 Megapixel, Fixed 3.6mm Lens
ST-IP-MD3.6-2 IP Mini-Dome Camera, 2 Megapixel, Fixed 3.6mm Lens

Package Includes:

1 IP Camera
1 Operation manual
1 Software CD
1 Mounting hardware

ST-IP-DVF Series Varifocal Lens IP Dome Cameras

Features:

- 1/3" 1.3 Megapixel progressive scan Aptina CMOS (ST-IP-DVF-1)
- 1/2.8" 2 Megapixel progressive Exmor CMOS (ST-IP-DVF-2)
- H.264 & MJPEG dual-stream encoding
- 25/30fps@720P(1280×720), 25/30fps@1080P(1920×1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/SPSS) & DMSS
- 2.8~12mm varifocal lens
- Max IR LEDs Length 65'
- IP66, IK10 Rated housing
- 12VDC, PoE
- 2 Year Warranty

ST-IP-DVF-1 1MP

ST-IP-DVF-2 2MP



Description:

The Securitytronix ST-IP-DVF series cameras are professional series 1.3 and 2 Megapixel IP cameras featuring either a 1/3" (1.3MP) or 1/2.8" (2MP) CMOS sensor and a varifocal lens. This camera is perfect for day and night applications, the IR LEDs provide illumination of objects up to 65' away. Powering can be achieved through an external 12VDC power supply or via a separate PoE (Power over Ethernet) switch. The ST-IP-DVF series are ONVIF Profile 'S' (Open Network Video Interface Forum) compliant. The IP66 outdoor housing can be wall or ceiling mounted.

Ordering Information:

ST-IP-DVF-1 IP Dome Camera, 1 Megapixel, Varifocal Lens
ST-IP-DVF-2 IP Dome Camera, 2 Megapixel, Varifocal Lens

Package Includes:

1 IP Camera
1 Operation manual
1 Software CD
1 Mounting hardware

ST-IP-IRPTZ Series IP Pan-Tilt-Zoom Cameras

Features:

- 20X Optical Zoom (ST-IP-IRPTZ-1)
- 30X Optical Zoom (ST-IP-IRPTZ-2)
- H.264 & MJPEG dual-stream encoding
- Max. 25/30fps @1080P(1920x1080P) (ST-IP-IRPTZ-2)
- Max. 25/30fps @720P(1280x720) (ST-IP-IRPTZ-1)
- DWDR, Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Multiple network monitoring: Web viewer, CMS(DSS/PSS), SPSS & DMSS
- Max 240°/s pan speed, 360° endless pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol
- IP66 Rated housing
- IR Distance up to 328'
- Compatible with EVS (Eye View Smart)
PC based NVR software
- 1 Year Warranty



ST-IP-IRPTZ-1MP 1MP

ST-IP-IRPTZ-2MP 2MP

Description:

The Securitytronix ST-IP-IRPTZ series cameras are professional series 1 and 2 Megapixel Pan-Tilt-Zoom IP cameras featuring a 1/3" Sony Exmor CMOS imager and a 20X or 30X optical zoom lens. This camera is perfect for day and night applications, the IR LEDs provide illumination of objects up to 328' away. Powering is achieved through an included 24VAC power supply. The ST-IP-IRPTZ series are ONVIF (Open Network Video Interface Forum) compliant. These cameras feature an IP66 outdoor housing, H.264 & MJPEG dual-stream encoding, Digital Wide Dynamic Range, Day/night ICR, ultra Digital Noise Reduction, auto iris and auto focus.

Eye View Smart (EVS) Intelligent NVR Software is included with these cameras at no extra charge!



ST-NVR-EVSPRO Software Features:

- Network Video Recording software for a remote or onsite computer
- Works with analog & IP cameras
- 32 Channels of live viewing
- Live view built-in motion & video analytics
- 4 Channel playback
- Single server remote client
- 16 Channels of remote live viewing
- 4 Channels of remote playback
- Fixed stream profile
- Supports mobile devices
- 1 Layer E-map support
- Can be upgraded to EVS PRO+ version to add more features

Ordering Information:

ST-IP-IRPTZ-1MP IP PTZ Camera, 1 Megapixel
ST-IP-IRPTZ-2MP IP PTZ Camera, 2 Megapixel

Package Includes:

1 IP Camera, 1 Software CD
1 Mounting hardware pack
1 Wall mount bracket

1 Operation manual
1 24VAC Power supply

ST-IP-IRPTZ Series IP Pan-Tilt-Zoom Cameras

Model	ST-IP-ITPTZ-1	ST-IP-IRPTZ-2
Camera		
Image Sensor	1/3" Exmor CMOS	
Effective Pixels	1280(H) X 960(V)	1920(H) X 1080(V)
Scanning System	Progressive	
Electronic Shutter Speed	1/1 ~ 1/30,000s	
Min. Illumination	Color: .05Lux@F1.4; B/W: .005Lux@F1.4	Color: .05Lux@F1.6; B/W: .005Lux@F1.6
S/N Ratio	> 50dB	
Video Output	BNC(1.0Vp-p/75 Ohms), PAL/NTSC	
Camera Features		
Day/Night	Auto(ICR)/ Color/ B/W	
Backlight Compensation	BLC/ HLC/ DWDR (Digital Wide Dynamic Range)	
White Balance	Auto, ATW, Indoor, Outdoor, Manual	
Gain Control	Auto / Manual	
Noise Reduction	Ultra DNR (2D/3D)	
Privacy Masking	Up to 24 areas	
Digital Zoom	16X	
Lens		
Focal Length	4.7mm ~ 94mm (20X Optical zoom)	4.3mm ~ 129mm (30X Optical zoom)
Max Aperture	F1.4 ~ F2.6	F1.6 ~ F5.0
Focus Control	Auto / Manual	
Angle of View	H: 54.1° ~ 3.2°	H: 65.1° ~ 2.34°
Close Focus Distance	100mm ~ 1000mm	
PTZ		
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip @ 180°	
Manual Control Speed	Pan: 0.1° ~ 160° /s; Tilt: 0.1° ~ 200° /s	
Preset Speed	Pan: 240° /s; Tilt: 200° /s	
Preset	80(DH-SD), 255(Pelco-P/D)	
PTZ mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan	
Speed Setup	Human oriented focal length/ speed adaptation	
Power up Action	Auto restore to previous PTZ and Lens after power failure	
Idle Motion	Activate Preset/Pan/Scan/Tour/Pattern	
Protocol	DH-SD, Pelco-P/D (Auto recognition)	
IR Distance	328' (2 near IR LED+ 4 far IR LED)	
Video		
Compression	H.264 / MJPEG	
Resolution	1.3M(1280X960) / 720(1280X720) / D1(704X576/704X480) / CIF (352X288/352X240)	1080P(1920X1080) / 720P(1280X720) / D1(704X576/704X480) / CIF(352X288/352X240)
Frame Rate (Main stream)	1.3M / 720P (1 ~ 25/30fps)	1080P / 720P (1~25/30fps)
Frame Rate (Sub stream)	D1/CIF(1 ~ 25/30fps)	D1/CIF(1 ~ 25/30fps)
Bit Rate	H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps	
Audio		
Compression	G.711a / G.711u(32kbps)/PCM(128xbps)	
Interface	1/1 channel in/out	
Network		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	IPv4/IPv6, HTTP, HTTPS, P2P, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP filter, QoS, Bonjour, 802.1x	
Compatibility	ONVIF/ PSIA/ CGI/ EVS (Eye View Smart)	
Max User Access	20 users	
Smart Phone	iPhone, iPad, Android, Windows Phone	
Auxiliary Interface		
Memory Slot	N/A	N/A
RS485	1	1
Alarm	2/1 channel in/out	
General		
Power Supply	AC 24V/3A (+/-10%)	
Power Consumption	10.5W, 26W (IR on, Heater on)	
Working Environment	-40°F ~ 140°F / Less than 90% RH	
Ingress Protection	IP66	
Dimensions	8" X 14.1"	
Weight	17.1 lbs	

Ordering Information:

ST-IP-IRPTZ-1MP IP PTZ Camera, 1 Megapixel

ST-IP-IRPTZ-2MP IP PTZ Camera, 2 Megapixel

ST-POEAF-S04

5 Port 10/100 Ethernet PoE Switch

Features:

- 5 Port 10/100Mbps Ethernet switch with Integrated Power over Ethernet capability for up to 4 ports
- Up to 15.4 Watts per port, 61.6 Watts Max.
- Rear panel ethernet connections
- Front panel LED indicators for link & power identification
- IEEE 802.3af
- Desktop configuration
- Includes power supply, 48V, 72W
- 1 Year Warranty



PoE (Power over Ethernet) Switches

ST-POEAF-S08

8 Port 10/100 Ethernet PoE Switch

Features:

- 8 Port 10/100Mbps Ethernet switch with integrated Power over Ethernet capability
- Desktop configuration
- Rear panel On/Off switch
- Front panel ethernet connections
- Front panel LED indicators for link & power identification
- Up to 15.4 Watts per port, 107.8 Watts Max
- Includes power supply, 48V, 120W
- 1 Year Warranty



ST-POE-SPL
Passive PoE Splitter
With Cat5e Cable



ST-POE-INJ
Passive PoE Injector
With Cat5e Cable

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



* The ST-POE-48V-500MA is IEEE 802.3af Mode B and will not work with Securitytronix IP Cameras

Features:

ST-POEAF-16UL-RM 16 Port 10/100 Ethernet PoE Switch

- 16 Port 10/100Mbps Ethernet switch with integrated Power over Ethernet capability
- Up to 15.4 Watts per port, 246.5 Watts Max
- Front panel ethernet connections
- Front panel LED indicators for link & power identification
- Two copper Gigabit RJ-45 ports, Two Gigabit SFP slots
- Rear panel On/Off switch
- IEEE 802.3af
- Extendable over fiber using DT-SFP series adapters
- Desktop or 19" rack mount configuration
- Includes power supply, 48V, 350W
- 1 Year Warranty



ST-POEAF-24UL-RM

24 Port 10/100 Ethernet PoE Switch With Two 1 Gigabit Uplink Ports

Features:

- 24 Port 10/100Mbps Ethernet switch with integrated Power over Ethernet capability for all 24 ports
- Up to 15.4 Watts per port, 300 Watts Max.
- Two copper Gigabit RJ-45 ports, Two Gigabit SFP slots
- Front panel ethernet connections
- Front panel LED indicators for link & power identification
- Rear panel On/Off switch
- IEEE 802.3af
- Extendable over fiber using DT-SFP series adapters
- Desktop or 19" rack mount configuration
- Includes power supply, 48V, 350W
- 1 Year Warranty



Camera Power Supplies

ST-PS24VAC

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



ST-PS12VDC5A-8PL

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



ST-PS12V-1A ST-PS12VDC1A

**12VDC 1A (1,000mA)
Regulated Power Adapter**

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



ST-PS12V-2A ST-PS12VDC2A

**12VDC 2A (2,000mA)
Regulated Power Adapter**

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



ST-PS12VDC5A-NON DVR

**12VDC 5A (5,000mA)
Regulated Power Adapter**

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



ST-PS36VDC1.5A

UL Approved Power Supply
36 VDC, 1.5A



ST-PS24VDC2.5A

UL Approved Power Supply
24 VDC, 2.5A



ST-PS18VDC3A

UL Approved Power Supply
18 VDC, 3A

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

Premade CCTV Jumper Cables

Ordering Information:

ST-PMJ25W 25', White jacket
ST-PMJ60W 60', White jacket
ST-PMJ100W 100', White jacket
ST-PMJ150W 150', White jacket
ST-PMJ200W 200', White jacket

ST-PMJ25B 25', Black jacket
ST-PMJ60B 60', Black jacket
ST-PMJ100B 100', Black jacket
ST-PMJ150B 150', Black jacket
ST-PMJ200B 200', Black jacket



ST-VC24VAC-12DC Voltage Converter 24VAC to 12VDC

AC Input Power: AC 24V
 DC Input Power: DC 18V - 48V
 Output Power: DC 12V
 Output Current: 1A
 Total Power: 60W
 Output Ripple: $\leq 100\text{mV}$
 Thermal Protection: Yes
 Overcurrent Protection: Yes
 Short Circuit Protection: Yes

The ST-VC24VAC-12DC is perfect for applications which require 24VAC power distribution due to long distances but with cameras that require a 12VDC power source. The ST-VC24VAC-12DC can also accept a DC power source from 18VDC to 48VDC and convert it to 12VDC.



ST-DC21

DC Power Connector Male DC to 2 Conductor Screw Seizure Block



ST-DC21F

DC Power Connector Female DC to 2 Conductor Screw Seizure Block



ST-DC21M

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



ST-PSCPM-PT

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



ST-PSCPF-PT

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

ST-GLI-UTP 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 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



- Controls select analog cameras over coaxial cable
- Easily inserted at DVR or at camera using BNC male to BNC female connection
- Controls camera using the cameras internal on screen display (OSD) software
- Convenient for setting up all cameras in a system at the DVR using the systems monitor

The Securitytronix ST-UTC is an "Up The Cable" controller for select models of SecurityTronix analog cameras. The ST-UTC is connected at the DVR between the Camera cable and the DVR input. Using the controller, the operator can open the camera's menu on-screen and make any necessary adjustments. The controller can then be disconnected and used for other cameras or left in place.

Ordering Information:

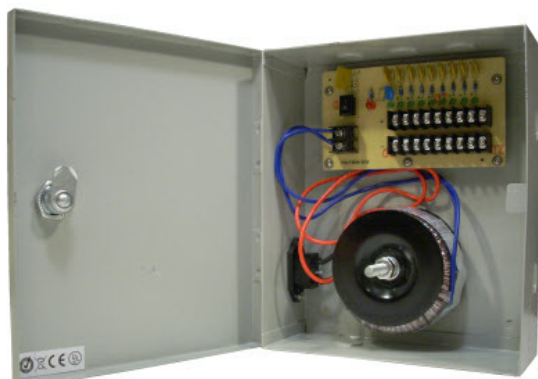
ST-UTC Coaxial cable controller for select Securitytronix cameras

Coaxial Cable Camera Controller

Currently Supported Cameras:

ST-DWDIRVF2812-720W
 ST-DWDIRVF2812-720B
 ST-DWDVF2812-720W
 ST-DWDVF2812-720B
 ST-DWD1000IRVP2812-W
 ST-DWD1000IRVP2812-B
 ST-BTWD700IR2812-B
 ST-BTWD700IR2812-W
 ST-BT1000IRVFDV-B
 ST-BT1000IRVFDV-W

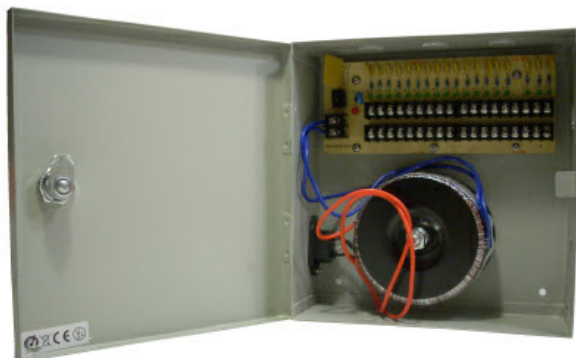




Securitytronix AC Camera Power Supplies

ST-PBX9AC24V5A

- 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



ST-PBX18AC24V8A

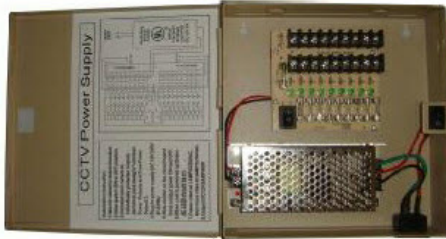
- 18 Camera outputs
- Input Voltage: AC110V, 60Hz
- Output Voltage: 24VAC
- Output Current: 8A
- 18 Individual PTC fuses for protection against over-voltage/over-current
- 18 Individual status LEDs
- Package includes: 1 Power supply, power cord, instruction manual, 2 keys, wall mounting hardware
- UL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

Securitytronix DC Camera Power Supplies



ST-PBX4DC12V3A

- 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



Ordering Information:

ST-PBX9DC12V10A
Camera power supply, 9 Outputs, 12VDC, 10A

Securitytronix DC Camera Power Supplies

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



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



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

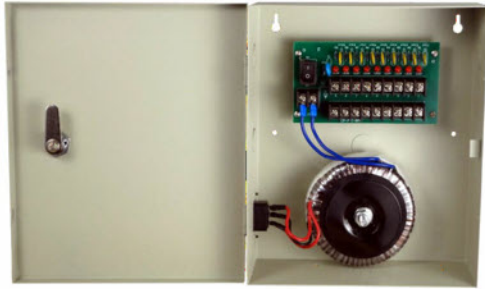


Ordering Information:

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
- Dimensions: 6"W x 2.2"H x 1.4"D, Weight: 9.0 oz.
- 1 Year Warranty



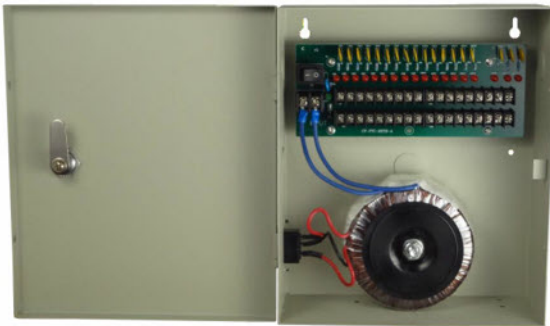
Ordering Information:

ST-PBX9/24AC-PTC
Camera power supply, 9 Outputs, 24VAC, 5A

Securitytronix 24VAC PTC Fused Camera Power Supplies

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



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

Features:

- Available with 4, 8 or 16 video inputs
- 12VDC Clamping voltage
- 10kA Peak surge protection
- Insertion loss <0.5dB @ 3 - 10 MHz
- Rugged metal housing
- RoHs, CE, FCC Compliant

Video Surge Protectors



ST-VSP8



ST-VSP16



ST-VSP4

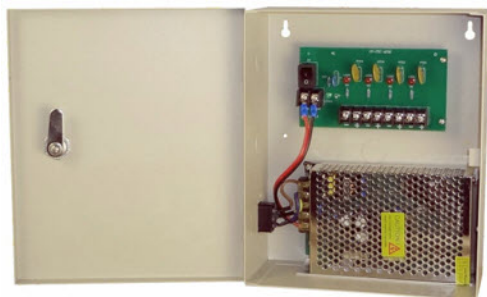
Description:

The Securitytronix ST-VSP series of video surge protectors have been designed to protect baseband video signals below 10 MHz from over-voltage, over-current and electrostatic discharge. Three units are available with either four, eight or sixteen inputs. Each model features multi-level protection, wide capacity, low limit voltage, fast response time and low insertion loss. The four and sixteen input units feature fixed female BNC inputs and outputs while the eight input unit features fixed female BNC inputs with flexible male BNC jumper cabled outputs. The male BNC connectors on the eight input unit are equipped with a strain relief mechanism to prevent connector damage in tight environments. All three units are housed in rugged, low-profile metal housings.

Ordering Information:

ST-VSP4 4 Input video surge protector
ST-VSP8 8 Input video surge protector
ST-VSP16 16 Input video surge protector

Securitytronix 12VDC PTC Fused Camera Power Supplies



Ordering Information:

ST-PBX4/5A-PTC

Camera power supply, 4 Outputs, 12VDC, 5A

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



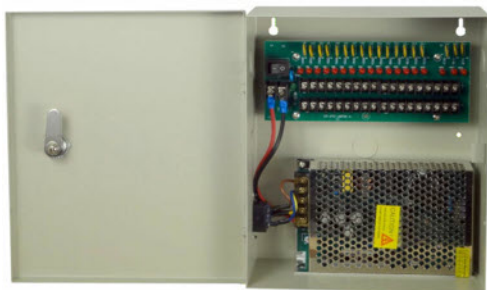
Ordering Information:

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



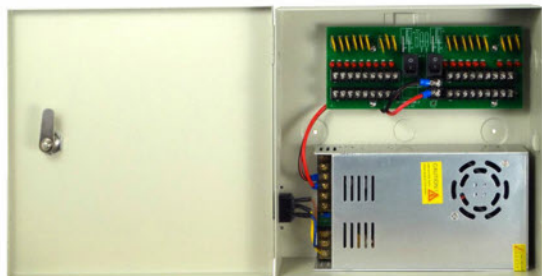
Ordering Information:

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



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

ST-LCDCCTV-17H **17" CCTV LCD Monitor** **With HDMI, BNC & VGA Inputs**

Features:

- One BNC, one HDMI & one VGA video input
- One 3.5mm Audio input
- Looping outputs for BNC video & 3.5mm audio
- Resolution up to 1280 x 1024
- Up to 700:1 contrast ratio
- 250-nit brightness
- 1 Year warranty



The ST-LCDCCTV-17H 17" monitor features multiple inputs that enable the use of one monitor instead of multiple monitors providing a cost savings in many applications. This monitor has a BNC analog video input, one HDMI input, one VGA input and 1 3.5mm audio input as well as a BNC and 3.5mm audio loop through outputs. With a maximum resolution of 1280 x 1024 and a high contrast ratio of 700:1 the CT-LCDCCTV-17H offers razor sharp, vivid images. A high brightness level maximizes the monitors high resolution and contrast resulting in outstanding image detail.

ST-LCDVGA-18.5 **18.5" CCTV LCD Monitor With VGA Input**

Features:

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



The ST-LCDVGA-18.5 18.5" monitor features a single VGA input that can adjust between aspect ratios of 4:3 and 16:9. With a maximum resolution of 1366 x 768 and a high contrast ratio of up to 30,000:1 the ST-LCDVGA-18.5 offers razor sharp, vivid images. A high brightness level maximizes the monitors high resolution and contrast resulting in outstanding image detail.

ST-LCDHD-18.5 18.5" High Definition LED Monitor

Features:

- 18.5" LED Panel Monitor
- 16:9 Aspect ratio (wide screen)
- 1 BNC, 1 VGA and 1 HDMI Input
- 16.7 Million display colors
- Resolution up to 1,366 x 768 pixels
- Supports 1080p
- Built-in speaker
- 100 x 100 Vesa mounting pattern
- 1000:1 Contrast ratio
- Anti-glare surface coating
- 1 Year warranty

Ordering Information:

ST-LCDHD-18.5 18.5" High Definition LED Monitor

Package Includes:

- | | |
|---|------------------|
| 1 | Monitor |
| 1 | Remote Control |
| 2 | Remote Batteries |
| 1 | User Manual |



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
- 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-PTKIT

Description:

The ST-CCTV-VB-KIT & ST-CCTV-VB-PTKIT 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-KIT & ST-CCTV-VB-PTKIT 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-VBKIT

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

ST-CCTV-VB-PTKIT

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

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
- Transmits color video up to 984 feet (300 meters)
- Transmits power up to 328 feet (100 meters)
- Built-in surge and transient protection
- Superior interference rejection
- Green LED indicates operation, yellow LED indicates link failure
- Supports 12VDC & 24VAC
- 1 Year Warranty



ST-CCTV-VBP-KIT

ST-CCTV-HUB4 4 Input Video Transceiver

Features:

- Four composite video signals over four 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
- Transmits color video up to 1,300 feet (400 meters)
- Transmits Black & White video up to 1,900 feet (600 meters)
- 1 Year Warranty

Description:

The ST-CCTV-HUB4 baluns are designed for transmission of up to four CCTV composite video signals over a single, 4 pair, 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-HUB4 baluns provide superb quality on long range transmission. The ST-CCTV-HUB4 are passive video transceivers with no power 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.



Features:

ST-CCTV-HUB16 16 Input Video Transceiver

- 19" Rack mountable, 1 RU (1.75" High)
- 16 Integrated video transceivers
- Alternative to fiber or coaxial based systems
- Passive, no power required
- Highly balanced mode of video transmission for extra interference immunity
- Fast, easy installation, saving time and money
- Substantial savings on the cost of the cable itself
- Superb quality on long range transmission.
- 1 Year Warranty

Description:

The ST-CCTV-HUB16 is designed for transmission of up to sixteen CCTV composite video signals each over an 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-HUB16 transceiver provides superb quality on long range transmission. The ST-CCTV-HUB16 is passive and requires no power.



Video Distribution Amplifiers

Features:

- BNC Female input and output
- Video ground loop isolation
- Video filter for 0-6MHz Low Pass Filter
- 0-12dB Variable Gain Control – Brightness control
- Weighted pre-emphasis equalizer
- Input signal clamping, transient surge and Electro Static Discharge protection
- 12VDC/500mA Power adaptor supply (Included)
- Metal casing
- Tested to over 7,000' using RG-59 video cable
- 1 Year Warranty

Description:

The ST-VDABC Series of video distribution amplifiers have been designed with the custom CCTV video installer in mind. The units low pass filtering, broadcast distribution quality and ground loop isolation circuits have been professionally designed for CCTV video signal amplification, transmission and video distribution applications which require high performance video signal restoration over coaxial cable.

The ST-VDABNC-1 & ST-VDABNC-2 amplifiers have been designed with a single potentiometer which synchronizes gain (brightness), equalization and sharpness control. The ST-VDABNC-1 is a single input, single output video distribution amplifier. The ST-VDABNC-2 is a single input, two output video distribution amplifier and splitter.

The ST-VDABNC-4X2 is a four input video distribution amplifier with four sets of 1x2 split outputs, essentially four 1x2 amplified video splitters in one housing. This unit has a four potentiometers which synchronize gain (brightness), equalization and sharpness control.

The ST-VDABNC-8X2 is an eight input video distribution amplifier with eight sets of 1x2 split outputs, essentially eight 1x2 amplified video splitters in one housing. This unit has a eight potentiometers which synchronize gain (brightness), equalization and sharpness control.



ST-VDABNC-4X2



ST-VDABNC-8X2



Ordering Information:

ST-VDABNC-1	1x1 Video Distribution Amplifier
ST-VDABNC-2	1x2 Video Distribution Amplifier
ST-VDABNC-4X2	4x2 Video Distribution Amplifier
ST-VDABNC-8X2	8x2 Video Distribution Amplifier

Solid Copper Center Conductor Coaxial Cable Loss at 10 MHz

RG-59	-0.68 dB / 100'
RG-6	-0.52 dB / 100'
RG-11	-0.35 dB / 100'

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ST-D700IRVP3.6*2	102
ST-DC21	117
ST-DC21F	117
ST-DC21M	117
ST-DLI800IRVP2812*	101
ST-DVR-WIFI	99
ST-DWD1000IRVP2812*	103
ST-DWDIRVF2812-720*	104
ST-DWDVVF2812-720*	104
ST-EVSNVR-4-8	97
ST-EVSNVR-8-16	97
ST-F35 BATTERY	50
ST-F35TEST	51
ST-FTEST35F	50
ST-GLI-BNC/BNC	117
ST-GLI-UTP	117
ST-HD-BT2812-1MP	89
ST-HD-BT2812.2MP	89
ST-HD-BT2812M-2MP	90
ST-HD-BT3.6-1MP	89
ST-HD-CVR16CH-V2	86
ST-HD-CVR4CH-V2	86
ST-HD-CVR8CH-V2	86
ST-HD-D2812-1MP	88
ST-HD-D2812M-2MP	90
ST-HD-IRPTZ-2MP	91
ST-HD-PTZ-2MP	91
ST-HD-TD3.6-1MP	88
ST-HD-TD3.6-2MP	88
ST-HD-VC	92
ST-HVR8704	98
ST-HVR8708	98
ST-HVR8716	98
ST-IP-BT3.6-1	111
ST-IP-BT3.6-2	111
ST-IP-BTVF-1	111
ST-IP-BTVF-2	111
ST-IP-DVF-1	112
ST-IP-DVF-2	112
ST-IP-IRPTZ-1MP	113
ST-IP-IRPTZ-2MP	113
ST-IP-MD3.6-1	112
ST-IP-MD3.6-2	112
ST-IP-TEST	49
ST-IP-TEST-BATTERY	49
ST-IP-TEST-PS	49
ST-IP-TEST-SP	49
ST-LCDCCTV-17H	122
ST-LCDHD-18.5	123
ST-LCDVGA-18.5	122
ST-MINIPTZCMB	109
ST-NVR16CH-EZ	95
ST-NVR16CH-I	93
ST-NVR32CH-I	93
ST-NVR4CH-EZ	95
ST-NVR4CH-F	94
ST-NVR4CH-I	93
ST-NVR8CH-EZ	95
ST-NVR8CH-F	94
ST-NVR8CH-I	93
ST-NVR-EVSPRO	97
ST-NVR-EVSPRO+	97
ST-NVREVSPRO+UPGRADE	97
ST-PBX18/10A-PTC	121
ST-PBX18/20A-PTC	121
ST-PBX18/24AC-PTC	120
ST-PBX18AC24V8A	118

ST-PBX18DC12V10A	119
ST-PBX4/5A-PTC	121
ST-PBX4DC12V3A	118
ST-PBX9/10A-PTC	121
ST-PBX9/24AC-PTC	120
ST-PBX9AC24V5A	118
ST-PBX9DC12V10A	119
ST-PBX9DC12V5A	119
ST-PMJ Series	116
ST-POE-48V-500MA	115
ST-POEAF-16UL-RM	115
ST-POEAF-24UL-RM	115
ST-POEAF-S04	115
ST-POEAF-S08	115
ST-POE-INJ	115
ST-POE-SPL	115
ST-PS12V-1A	116
ST-PS12V-2A	116
ST-PS12V5A-PTC	119
ST-PS12VDC1A	116
ST-PS12VDC2A	116
ST-PS12VDC5A-8PL	116
ST-PS12VDC5A-NON DVR	116
ST-PS18VDC3A	116
ST-PS24VAC	116
ST-PS24VDC2.5A	116
ST-PS36VDC1.5A	116
ST-PSCPF-PT	117
ST-PSCPM-PT	117
ST-PTZCORNER	109
ST-PTZIR650-23X	107
ST-PTZ-KB	110
ST-PTZMINI-IR10X	108
ST-PTZMINI-IRCMB	108
ST-PTZMINI-IRCMB	109
ST-PTZMINI-IRCRNR	108
ST-PTZMINI-IRCRNR	109
ST-PTZMINI-KB	110
ST-PTZPEND78	109
ST-PTZPEND94	109
ST-PTZPOLE	109
ST-PTZ-RC	110
ST-TDWMB*	109
ST-UTC	117
ST-VC24VAC-12DC	117
ST-VDABNC-1	125
ST-VDABNC-2	125
ST-VDABNC-4X2	125
ST-VDABNC-8X2	125
ST-VGA/RCA	23
ST-VSP16	120
ST-VSP4	120
ST-VSP8	120
ST-WD650PTZMINI-12X	107

T - V

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W - Z

WD10EURX	86
WD10JUXT	94
WD20EURS	86
WD30EURX	86
WD40PURX	86
WD5000LUXT	94
WDC5000AVDS	86
WP-812G*	57
WPD-812G*	57



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
39.8107	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 Chart



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 Chart 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	109.2750	113.7750	109.2750	113.7750	--	--
A1	99	115.2750	119.7750	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
J	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 Chan.	Standard		Incremental		Harmonic	
		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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