

HD-COAXINATOR™ terminates analog and HD-SDI !

The final frontier of CCTV over coaxial cable at a cost significantly LOWER than IP systems.



SecurityTronix HD-COAXINATOR over coax



Typical analog at full DI resolution



- 720p and 1080p HD resolution!
- Use existing COAX wiring from analog systems!
- Better recognition of intruders!
- Truer colors than analog!
- COAX cable runs up to 1650 ft!
- PTZ and AUDIO on the same video coax! No RS485 wiring!
- Drop-in replacement for analog cameras and DVRs!

- Analog cameras suffer color distortion.
- Maximum resolution of 720 horizontal TV lines for analog versus 1920 for the HD-COAXINATOR™.
- Less coverage - 4:3 SD aspect versus 16:9 HD.
- No data or audio transmission over coax.
- HD-SDI performs similarly to HD-COAXINATOR™ yet suffers from distance limitations and high cost.



- INSTALLS like analog - PRICED like analog - PERFORMS like HD IP.
- COAX runs up to 1650 ft! None of the length limitations and high cost of HD-SDI.
- Our old friends COAX and BNC, finally able to bring HD CCTV imaging to the masses.
- The EASIEST HD upgrade ever! Replace cameras, replace recorder... DONE.

ST-HD-CVR Features:

- 1080p Real time viewing
- 720p Recording
- 1 HDMI & 1 VGA Output
- Supports mobile devices
- Specifically designed to work with HD-COAXINATOR™ cameras
- Available in 4, 8 or 16 Input models
- Two year limited warranty



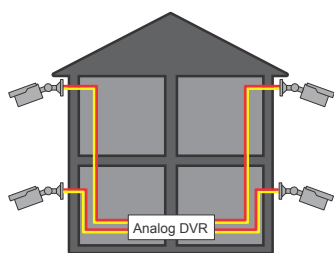
High Definition CVR

SecurityTronix is thrilled to announce the release of the groundbreaking HD-COAXINATOR™ series of high definition cameras and digital video recorders. This series utilizes the same coaxial cable, connectors, and power plugs as a traditional analog CCTV system. The HD-COAXINATOR™ 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 the HD-COAXINATOR™ cameras and CVR digital video recorder.

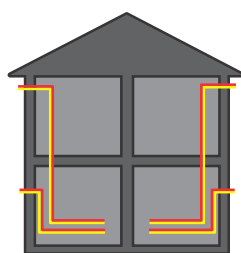
The HD-COAXINATOR™ series allows for stress-free HD upgrades using the existing analog system infrastructure. Installers can quickly install new HD systems without the need for IP wiring or the complexity involved in setting up a network. The HD-COAXINATOR™ series is designed as a perfect HD solution for installers with little or no IT or network experience. 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

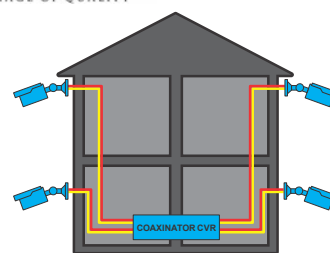
Update your properties from analog to HD in just a few hours with **SECURITY TRONIX® HD-COAXINATOR™**



Property with existing 12VDC analog CCTV system



All wiring is reused for both power and video

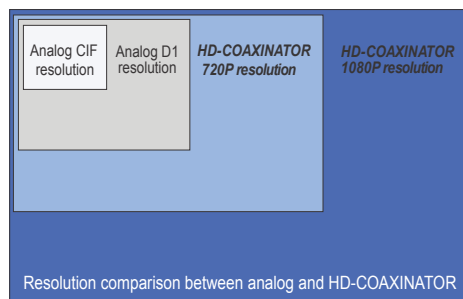


Install new HD-COAXINATOR cameras and CVR

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	\$



Ordering Information:

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

WDC5000AVDS
WD10EURX
WD20EURS
WD30EURX

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

High Definition CVR

Model System	ST-HD-CVR4CH		ST-HD-CVR8CH		ST-CVR16CH	
Main Processor	Embedded Processor					
Operating System	Embeded Linux					
Video						
Input	4 Channel, BNC		8 Channel, BNC		16 Channel, BNC	
Audio						
Input	1 Channel, RCA			4 Channel, BNC		
Output	1 Channel, RCA			1 Channel, BNC		
Two-Way Talk	1 Channel					
Display						
Interface	1 HDMI, 1 VGA			1 HDMI, 1 VGA, 1 BNC		
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768, 800x600					
Display Split	1/4		1/4/8		1/4/8/9/16	
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	720p(1280x720/1280x600)/960H(960x576/960x480)/D1/4CIF(704X576/704X480)/CIF(352x288/352x240)/QCIF(176x144/176x120)					
Record Rate Main Stream	720P/960H/D1/HD1/2CIF/CIF(1-25/30fps)					
Record Rate Extra Stream	CIF/QCIF(1-25/30fps)					
Bit Rate	48 - 6144KB/s					
Record Mode	Manual, Schedule, (regular(continuous), Motion Detection), 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, Spot, Buzzer & Screen Tips					
Video Detection	Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank					
Alarm Input	NA		NA		4 Channel	
Alarm Output	NA		NA		3 Channel	
Playback Backup						
Sync Playback	1/4		1/4/8		1/4/8/16	
Search Mode	Time/Date, MD & Exact Search (accurate to the 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, Backup Selection, Digital Zoom					
Backup Mode	USB Device, Network					
Network						
Ethernet	RJ45 Port (10/100M)			RJ45 Port (10/100/1000M)		
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter					
Max. User Access	128 Users					
Smart Phone	iPhone, iPad, Android, Windows Phone					
Storage						
Internal HDD	1 SATA Port, Up To 4TB			2 SATA Port, Up To 8TB		
Auxiliary Interface						
USB Interface	2 Ports (1 Rear), USB2.0					
RS232	NA		NA		1 Port, for PC Communication & Keyboard	
RS485	1 Port, for PTZ Control					
General						
Power Supply	DC12V, 2A			DC12V, 5A		
Power Consumption	10W (without HDD)			15W (without HDD)		
Operating Temperature	14°F - 131°F					
Operating Humidity	10 - 90% Non-Condensing					
Dimensions	12.8"W x 9.65"D x 1.75"H			14.75"W x 11.25"D x 1.75"H		
Weight	3.3 lbs.			5.2 lbs.		

High Definition Turret Dome Camera

ST-HD-TD2812-720-W Features:

- HD Video Quality Over Coaxial Cable
- 1/3" Aptina CMOS Sensor
- 1.3 Megapixel, 720P Resolution
- 2.8 - 12mm Varifocal Lens
- 36 IR LEDs, 100' IR Range
- 3D Noise Reduction (3DNR)
- On Screen Display
- IP65 Indoor Housing
- 1 Year Warranty



The ST-HD-TD2812-720-W is a high-definition varifocal turret dome camera designed around a 1/3" Color 1.3 megapixel Aptina CMOS, 36 IR LEDs providing infrared capability up to 100 feet, and a 2.8mm – 12mm manual zoom lens. The ability to send HD video over coaxial cable make the ST-HD-TD2812-720-W 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.

Specifications

Image Sensor	1/3" Aptina 1.3MP CMOS	Frame Rate	NTSC: 1280x972@30fps
Resolution	1280(H) x 960(V)	Image Flip	Supports Mirror & Negative Image
Video Standard	NTSC	Image Settings	Brightness, Contrast, Saturation & Sharpness
Scanning System	Progressive		
Auto Electronic Shutter	4/25s - 1/45,000s	3D-DNR	Yes
Lens	2.8 - 12mm Manual Zoom	Privacy Masking	Up to 8 Areas
IR LED	36	Motion Detection	Yes
IR Distance	Up to 100 Feet	Menu	OSD Menu, Control Via Coaxial Cable
Min. Illumination (Color)	0.1 Lux/f1.2	Video Output	1 Channel BNC
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)	Required Power Supply	DC12V, 900mA
White Balance	Auto/Manual	Power Consumption	7W Max, (8.5W Max IR On)
Exposure Mode	Manual/Auto/AP/SP (1-1/10000)	Operating Temperature	14° - 113° F
Video Output	HDCVI Port, HD Output	Operating Humidity	95% Maximum Non-Condensing
Control	Video/Audio/RS485	Dimensions	6.0" x 4.2"
	Control over Coax (CoC)	Weight	1.9 lbs.

Ordering Information:

ST-HD-TD2812-720-W HD-Coaxinator High Definition Turret Dome Camera, White Housing

Contents Include:

- 1 ST-HD-TD2812-720-W Camera
- 1 Instruction manual

High Definition Bullet Camera

ST-HD-BT2812-720-G Features:

- HD Video Quality Over Coaxial Cable
- 1/3" Aptina CMOS Sensor
- 1.3 Megapixel, 720P Resolution
- 2.8 - 12mm Varifocal Lens
- 72 IR LEDs, 200' IR Range
- 3D Noise Reduction (3DNR)
- On Screen Display
- IP66 Outdoor Housing With Built In Heater
- 1 Year Warranty



The ST-HD-BT2812-720-G is a high-definition varifocal bullet camera designed around a 1/3" Color 1.3 megapixel Aptina CMOS, 72 IR LEDs providing infrared capability up to 200 feet, and a 2.8mm – 12mm manual zoom lens. The ability to send HD video over coaxial cable make the ST-HD-BT2812-720-G 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.

Specifications

Image Sensor	1/3" Aptina 1.3MP CMOS	Frame Rate	NTSC: 1280x972@30fps
Resolution	1280(H) x 960(V)	Image Flip	Supports Mirror & Negative Image
Video Standard	NTSC	Image Settings	Brightness, Contrast, Saturation & Sharpness
Scanning System	Progressive		
Auto Electronic Shutter	4/25s - 1/45.000s	3D-DNR	Yes
Lens	2.8 - 12mm Manual Zoom	Privacy Masking	Up to 8 Areas
IR LED	72	Motion Detection	Yes
IR Distance	Up to 200 Feet	Menu	OSD Menu, Control Via Coaxial Cable
Min. Illumination (Color)	0.1 Lux/f1.2	Video Output	1 Channel BNC
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)	Required Power Supply	DC12V, 900mA
White Balance	Auto/Manual	Power Consumption	7W Max, (8.5W Max IR On)
Exposure Mode	Manual/Auto/AP/SP (1-1/10000)	Operating Temperature	14° - 113° F
Video Output	HDCVI Port, HD Output	Operating Humidity	95% Maximum Non-Condensing
Control	Video/Audio/RS485	Dimensions	6.0" x 4.2"
	Control over Coax (CoC)	Weight	1.9 lbs.

Ordering Information:

ST-HD-BT2812-720-G HD-Coaxinator High Definition Bullet Camera, Gray Housing

Contents Include:

- 1 ST-HD-BT2812-720-G Camera
- 1 Instruction manual

High Definition Dome Camera

ST-HD-D2812-720-W Features:

- HD Video Quality Over Coaxial Cable
- 1/3" Aptina CMOS Sensor
- 1.3 Megapixel, 720P Resolution
- 2.8 - 12mm Varifocal Lens
- 18 IR LEDs, 65' IR Range
- 3D Noise Reduction (3DNR)
- On Screen Display
- IP66 Outdoor Housing
- 1 Year Warranty



The ST-HD-D2812-720-W is a high-definition varifocal dome camera designed around a 1/3" Color 1.3 megapixel Aptina CMOS, 18 IR LEDs providing infrared capability up to 65 feet, and a 2.8mm – 12mm manual zoom lens. The ability to send HD video over coaxial cable make the ST-HD-D2812-720-W 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.

Specifications

Image Sensor	1/3" Aptina 1.3MP CMOS	Frame Rate	NTSC: 1280x972@30fps
Resolution	1280(H) x 960(V)	Image Flip	Supports Mirror & Negative Image
Video Standard	NTSC	Image Settings	Brightness, Contrast, Saturation & Sharpness
Scanning System	Progressive		
Auto Electronic Shutter	4/25s - 1/45.000s	3D-DNR	Yes
Lens	2.8 - 12mm Manual Zoom	Privacy Masking	Up to 8 Areas
IR LED	18	Motion Detection	Yes
IR Distance	Up to 65 Feet	Menu	OSD Menu, Control Via Coaxial Cable
Min. Illumination (Color)	0.1 Lux/f1.2	Video Output	1 Channel BNC
Min. Illumination (B&W)	0 Lux/f1.2 (IR On)	Required Power Supply	DC12V, 900mA
White Balance	Auto/Manual	Power Consumption	7W Max, (8.5W Max IR On)
Exposure Mode	Manual/Auto/AP/SP (1-1/10000)	Operating Temperature	14° - 113° F
Video Output	HDCVI Port, HD Output	Operating Humidity	95% Maximum Non-Condensing
Control	Video/Audio/RS485	Dimensions	6.0" x 4.2"
	Control over Coax (CoC)	Weight	1.9 lbs.

Ordering Information:

ST-HD-D2812-720-W HD-Coaxinator High Definition Dome Camera, White Housing

Contents Include:

- 1 ST-HD-D2812-720-W Camera
- 1 Instruction manual



CT-HD-DWMB

Optional Wall Mount Bracket

HD-COAXINATOR™

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.

Specifications

Transmission Signal	1 Channel Video
Transmission Distance @ 720p	1,300 Feet (400 Meters)
Transmission Distance @ 1080p	650 Feet (200 Meters)
Category Cable Type	Unshielded Twisted Pair
	Cat5e / Cat6
Coaxial Video Connector	BNC Male
Twisted Pair Video Connector	Push-Terminal
Compatible Format	HD-CVI
Resolutions Supported	720p, 1080p
Interference Rejection	>60 dB
Electrostatic Discharge	1a Contact Discharge electricity level 3 1b Air Discharge electricity level 3 Per IEC61000-4-2
Coax Connector Protection	2KV (common-code) per IEC1000-4-5
UTP Connector Protection	4KV (common-code) per IEC1000-4-5
Impedance BNC Connection	75 Ohms
Impedance UTP Connection	100 Ohms

Dimensions	2.1" x 0.78" x 0.67" 53mm x 20mm x 17mm
Housing	ABS Plastic
Color	Black
Net Weight	0.06 lbs. (25 Grams)
Mean Time Before Failure	>10,000 Hours
Operating Temperature	14° - 131°F (-10° - 55°C)
Storage Temperature	-4° - 158°F (-20° - 70°C)
Operating Humidity	0-95% Non Condensing

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