

ST-HDC4/P | ST-HDC8/P | ST-HDC16/P

Digital Video Recorder that Supports PoC HD-TVI, CVI, AHD, Analog and IP Cameras

Deliver HD video signal, control and power to your video surveillance systems using one single coaxial cable and traditional BNC connectors with our SecurityTronix PoC (Power over Coax) line of recorders and cameras. Technology that is eliminating the need for additional power cable and reducing what you pay for cable while maintaining the integrity of providing high definition quality images and further transmission distances. The solution that has many installers boasting their installations are fast, easy, and saving them and their customers money.



Key Features

- Support H.265 Pro+/H.265 Pro/H.265 video compression
- Support HDTV/AHD/CVI/CVBS/IP video input
- Max. 8/16/32 IP cameras input (up to 8 MP)
- Max. 2624 ft. for 1080p and 3,937 ft. for 720p HDTV signal transmission
- Up to 10 TB capacity per HDD
- Provide power to PoC cameras over coaxial cable
- Distance transmission up to 1,600 ft. using RG6 solid copper cable. 1,200 ft. using RG59 solid copper cable

Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP lite resolution

Storage and Playback

- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection

Network & Ethernet Access

- STGO2 & DDNS (Dynamic Domain Name System) for easy network management
- Max. 36/64/128 Mbps incoming bandwidth and output bandwidth limit configurable

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Models	ST-HDC4/P	ST-HDC8/P	ST-HDC16/P
Recordings			
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Encoding resolution	8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
Frame rate	Main stream: 8 MP@8fps/5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) *: 8 MP@8fps is only available for channel 1 of ST-HDC4/P.		
	Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 10 Mbps		
Dual stream	Support		
Stream type	Video, Video & Audio		
Audio compression	G.711u		
Audio bit rate	64 Kbps		
Video and Audio			
IP video input	4-ch (up to 8-ch)	8-ch (up to 12-ch)	16-ch (up to 32-ch)
	Up to 8 MP resolution *: The 8 MP signal input is only available for channel 1 of ST-HDC4/P.		
	Support H.265+/H.265/H.264+/H.264 IP cameras		
Analog video input	4-ch (up to 8-ch)	8-ch (up to 12-ch)	16-ch (up to 32-ch)
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
PoC camera input	Supports SecurityTronix PoC cameras *: PoC access capability see Appendix.		
HDTV input	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25		
AHD input	5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30		
HDCVI input	4 MP, 1080p25, 1080p30, 720p25, 720p30		
CVBS input	PAL/NTSC		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), Resolution: PAL: 704 × 576, NTSC: 704 × 480		
HDMI/VGA output	1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
Synchronous playback	4-ch	8-ch	16-ch

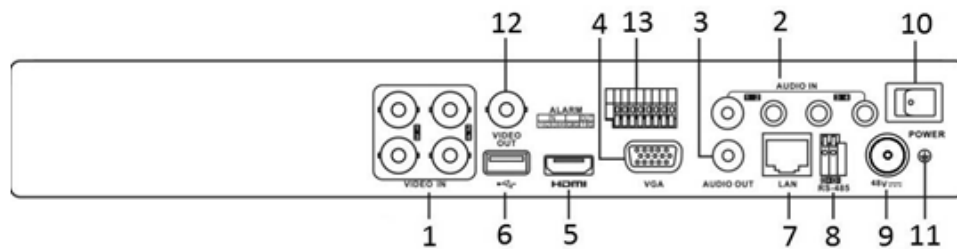
800-460-1801 | sales@securitytronix.com | www.securitytronix.com

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Network			
Remote connections	32	64	128
Network protocols	TCP/IP, PPPoE, DHCP, STGO2, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
Auxiliary Interface			
SATA	1 SATA interface	2 SATA interfaces	
Capacity	Up to 10 TB capacity for each disk		
Serial interface	RS-485 (half-duplex)		
USB interface	2 × USB 2.0	Front panel: 1 × USB 2.0, Rear panel: 1 × USB 3.0	
Alarm in/out	4/1	8/4	4/1
General			
Power supply	48 VDC	100 to 240 VAC	
Consumption (without HDD)	≤ 40 W	≤ 60 W	≤ 140 W
Working temperature	+14 °F to +131 °F (-10 °C to +55 °C)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	12.4 × 9.5 × 1.8" (315 × 242 × 45 mm)	15.0 × 12.6 × 1.9" (380 × 320 × 48 mm)	
Weights (without HDD)	3.3 lb (≤ 1.5 kg)	4.4 lb (≤ 2 kg)	8.4 lb (≤ 3.8 kg)



No.	Description	No.	Description	No.	Description
1	VIDEO IN	6	USB Interface	11	GND
2	AUDIO IN, RCA Connector	7	LAN Network Interface	12	VIDEO OUT
3	AUDIO OUT, RCA Connector	8	RS-485 Serial Interface	13	Alarm In/Out
4	VGA Interface	9	48 VDC Power Input (for ST-HDC4/8/P); 100 to 240 VAC (for ST-HDC16/P)		
5	HDMI Interface	10	Power Switch		

Appendix

AT/AF Mode

With reference to PoE standards, SecurityTronix has introduced AT and AF mode for PoC to distinguish the power level of PoC cameras: the max. Operating power of AT and AF are 12 W and 6 W respectively. These two modes are not related to IEEE 802.3 IP standard.

PoC Device	Allowed AT/AF Camera Access
4-ch PoC device	4 AT cameras
8-ch PoC device	8 AT cameras
16-ch PoC device	8 AT cameras + 8 AF cameras or up to 12 AT cameras

The table below shows the various combinations of AT and AF cameras that a 16-ch PoC device can support:						
AT camera access	12	11	10	9	8	N (0 - 7)
AF camera access	0	2	4	6	8	16-N