

ST-HDC4-5MP / ST-HDC8-5MP / ST-HDC16-5MP

4, 8, or 16 Channel 5MP H.265 TVI DVR



HD CoaxinatorTVI series of recorders is self-adaptive HDTV/HDCVI/AHD/Analog and Up to 2-Ch 6 MP IP allowing you to easily obtain HD surveillance over a coax cable infrastructure. They support up to 5MP resolution TVI cameras, can transmit video signal over coax cable greater distances, support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras, line crossing detection and intrusion detection on all channels.

Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Supports up to 6 MP IP cameras
- 5 MP HDTV video input and live view
- Long distance transmission over UTP (via baluns) and coaxial cable

Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for main stream
- H.265/H.264 encoding for sub-stream
- Supports H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ reduces data storage requirements
- Full channel recording at up to 5 MP resolution

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution (8/16ch models only)
- Separate CVBS output

Storage and Playback

- 1 (4ch) or 2 (8/16ch) SATA interfaces (up to 8 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback

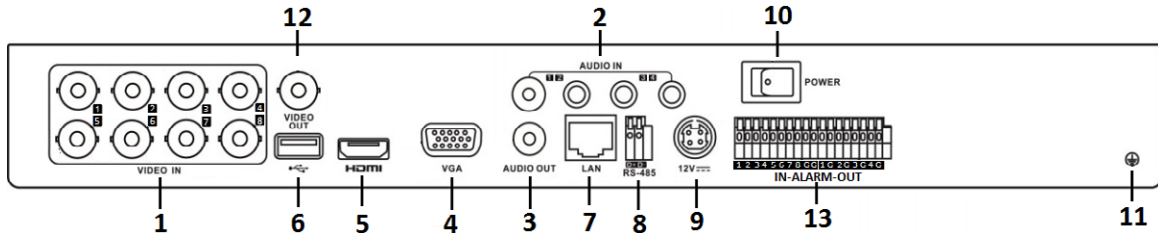
Smart Functions

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports line crossing detection and intrusion detection on all channels, and 2-ch sudden scene change detection
- VCA information overlay in live view and smart playback

Network and Ethernet Access

- P2P (Point to Point) & DDNS (Dynamic Domain Name System) for easy network management
- 1 10/100Mbps RJ45 self-adaptive Ethernet interface (4ch) or 1 10/100/1000Mbps RJ45 self-adaptive Ethernet interface (8/16ch)
- Configurable output bandwidth limit

Dimensions and Specifications



Note: ST-HDC8-5MP rear panel shown. ST-HDC4-5MP offers 4 BNC inputs. ST-HDC16-5MP offers 16 BNC input.

Diagram Reference

1	Video In, BNC	5	HDMI Output	9	12V DC Power Input	13	Alarm In/Out
2	Audio In, RCA	6	USB Interface	10	Power Switch		
3	Audio Out, RCA	7	RJ45 LAN Interface	11	Ground		
4	VGA Output	8	RS-485 Serial Interface	12	CVBS Video Output, BNC		

Video/Audio Input	
Video compression	H.265+/H.265/H.264+/H.264
Analog video input	BNC interface (1.0 Vp-p, 75 Ω)
HDTV input	5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25
AHD input	1080p25, 1080p30, 720p25, 720p30
HDCVI input	1080p25, 1080p30, 720p25, 720p30
CVBS input	PAL/NTSC
IP video input	2-ch Up to 6 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio compression	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)

External Interface	
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)
Network interface	4 Ch: 1, RJ45 10M/100M self-adaptive Ethernet interface 8/16 Ch: 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	4 Ch: 2 × USB 2.0 8/16 Ch: 1 × USB 2.0, 1 × USB 3.0
Serial interface	RS-485 (half-duplex)
Alarm in/out	4 Ch: 4/1 8 Ch: 8/4 16 Ch: 16/4

Network Management	
Remote connections	128
Network protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADR, NFS, iSCSI, UPnP™, HTTPS, ONVIF

Hard Disk	
SATA	4 Ch: 1 SATA interface 8/16 Ch: 2 SATA interfaces
Capacity	Up to 8 TB capacity for each HDD

Video/Audio Output	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	4 Ch: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz 8/16 Ch: 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
Encoding resolution	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame rate	Main stream: 5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (PAL)/30fps (NTSC) Sub-stream: WD1/4CIF/CIF@25fps (PAL)/30fps (NTSC)
Video bit rate	32 Kbps to 10 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps
Dual stream	Supported
Stream type	Video, Video & Audio
Synchronous playback	4 Ch 8 Ch 16 Ch

General	
Power supply	12V DC
Consumption (without HDD)	4 Ch: ≤ 10 W 8 Ch: ≤ 20 W 16 Ch: ≤ 25 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working humidity	10% to 90%
Dimensions (W × D × H)	4 Ch: 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch) 8/16 Ch: 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
Weight (without HDD)	4 Ch: ≤ 1.16 kg (2.6 lb) 8 Ch: ≤ 1.78 kg (3.9 lb) 16 Ch: ≤ 2 kg (4.4 lb)