

AVE-TVI7165HD

5MP TVI HD DVR



Features and Functions

Video Input and Transmission

- Self-adaptive HDTV/HD-CVI/AHD/CVBS signal input
- 2-ch 6 MP IP cameras input
- 5 MP/4 MP HDTV video input and live view
- Defogging function enabled for the supported analog cameras
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 5 MP resolution

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for AVE-TVI7085HD / 7165HD
- Separate CVBS output

Storage and Playback

- 2 SATA interfaces (up to 8 TB capacity per HDD)
- 16ch synchronous playback
- Smart search for efficient playback
- Support the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

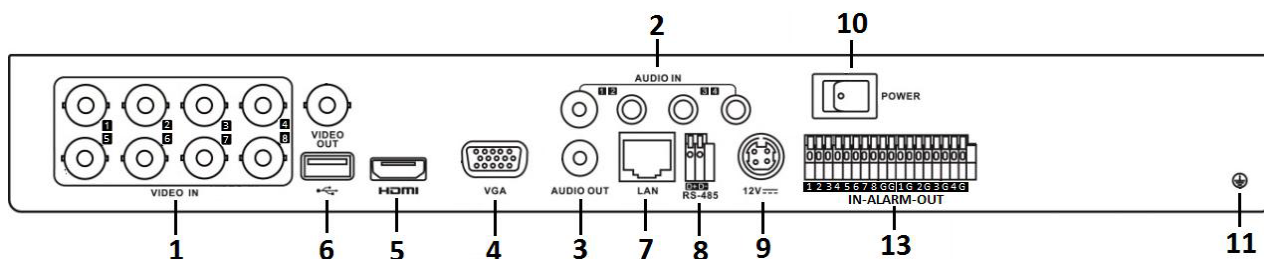
Smart Function

- 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
- VCA information overlay in live view and smart playback
- VQD (Video Quality Diagnostics)
- Support PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

- GuardingVision & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
- Output bandwidth limit configurable

Physical Interfaces



Index	Description	Index	Description
1	VIDEO IN	8	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	9	12 VDC Power Input
3	AUDIO OUT, RCA Connector	10	Power Switch
4	VGA Interface	11	GND
5	HDMI Interface	12	VIDEO OUT
6	USB Interface	13	Alarm In/Out
7	LAN Network Interface		



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Specifications

Model		AVE-TVI7165HD	
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264	
	Analog video input	16-ch BNC interface (1.0 Vp-p, 75Ω), supporting coaxitron connection	
	HDTV input	5MP, 4MP, 3MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25	
	AHD input	1080p25, 1080p30, 720p25, 720p30	
	HDCV input	1080p25, 1080p30, 720p25, 720p30	
	CVBS input	PAL/NTSC	
	IP video input	2-ch Up to 6MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras	
	Audio compression	G.711u	
Video/Audio output	Audio input	4-ch, RCA(2.0Vp-p, 1KΩ)	
	CVBS output	1-ch, BNC(1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480	
	HDMI/VGA output	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	5MP/4MP/3MP/1080p/720p/WD1/4CIF/VGA/CIF	
	Framerate	Main stream: 5MP@12fps/4MP@15fps/3MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps(P)/30fps(N) Sub-stream: WD1/4CIF/CIF@25fps(P)/30fps(N)	
	Video bitrate	32Kbps to 10Mbps	
	Audio output	1-ch, RCA(Linear, 1KΩ)	
	Audio bitrate	64Kbps	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
	Synchronous playback	16-ch	
	Network management	Remote connections	128
		Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Hard disk	SATA	2 SATA interfaces	
	Capacity	Up to 8TB capacity for each disk	
External interface	Two-way audio input	1-ch, RCA(2.0Vp-p, 1KΩ)(using the 1st audio input)	
	Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	Front panel: 1×USB2.0 Rear panel: 1×USB3.0	
	Serial interface	RS-485 (half-duplex)	
	Alarm in/out	16/4	
General	Power supply	12 VDC	
	Consumption (without HDD)	≤25 W	
	Working temperature	-10°C to +55°C (+14°F to +131°F)	
	Working humidity	10% to 90%	
	Dimensions (W×D×H)	380×320×48mm (15.0×12.6×1.9 inch)	
	Weight (without HDD)	≤ 2kg (4.4 lb)	



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