epcom®

EV5000TURBO SERIES TVI DVR

Features and Functions

Appearance Design
- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot for insertion of DVD-R/W with bracket to make it more convenient to install and maintain

Video Input and Transmission
- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- Up to 8 MP IP cameras input
- Long distance transmission over UTP and coaxial cable

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
- Supports POS triggered recording and POS information overlay

Video Output
- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

Storage and Playback
- Four SATA interfaces (up to 8 TB capacity per HDD) and one eSATA interface
- Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function
- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports line crossing detection and intrusion detection of all channels and sudden scene change detection of 2-ch analog cameras
- Supports people counting and heat map functions for 1-ch analog camera
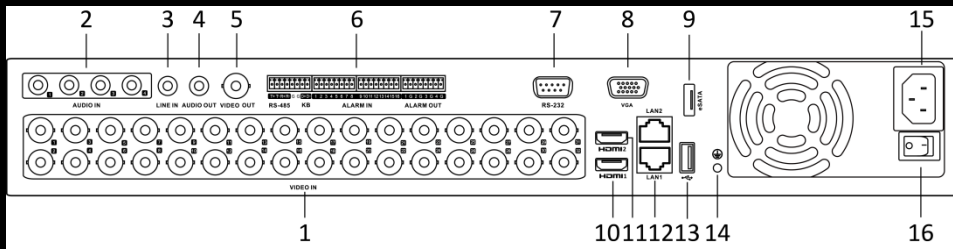- VQD (Video Quality Diagnostics)

Network & Ethernet Access
- Guarding Vision & DDNS (Dynamic Domain Name System) for easy network management
- Two RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable

Specifications

Model		EV5024TURBO	EV5032TURBO
Video/Audio input	**Video compression**	H.265+/H.265/H.264+/H.264	
	Analog video input	24-ch	32-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
	HDTVI input	5 MP, 4 MP, 3 MP, 1080p30, 720p30, 720p60	
	AHD input	5 MP, 4 MP, 1080p30, 720p30	
	HDCVI input	1080p25, 1080p30, 720p30	
	CVBS input	PAL/NTSC	
	IP video input	8-ch (up to 32-ch)	8-ch (up to 40-ch)
		Up to 8 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)	
Video/Audio output	**CVBS output**	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
	HDMI1/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	HDMI2 output	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@30fps	
		Sub-stream: WD1/4CIF/CIF@30fps	
	Video bit rate	32 Kbps to 10 Mbps	
	Audio output	1-ch, RCA (Linear, 1 KΩ)	
	Audio bit rate	64 Kbps	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
	Synchronous playback	16-ch	
Network management	**Remote connections**	128	
	Network protocols	TCP/IP, PPPoE, DHCP, Guarding vision, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Hard disk	**SATA**	4 SATA interfaces	
	eSATA	Support	
	Capacity	Up to 8 TB capacity for each disk	
External interface	**Two-way audio input**	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)	
	Network interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0	
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard	
	Alarm in/out	16/4	
General	**Power supply**	100 to 240 VAC	
	Consumption (without HDD)	≤ 74 W	
	Working temperature	-10 ℃ to +55 ℃ (+14 ℉ to +131 ℉)	
	Working humidity	10% to 90%	
	Dimensions (W × D × H)	440 × 390 × 70 mm (17.3 × 15.4 × 2.8 inch)	
	Weight (without HDD)	≤ 7 kg (15.4 lb)	

Physical Interfaces

The rear panel of EV5024TURBO provides 24 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	9	eSATA Interface
2	AUDIO IN, RCA Connector	10	HDMI1 Interface
3	LINE IN	11	HDMI2 Interface
4	AUDIO OUT	12	LAN1 and LAN2 Network Interfaces
5	VIDEO OUT	13	USB Interface
6	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT	14	GND
7	RS-232 Serial interface	15	100 to 240 VAC Power Input
8	VGA Interface	16	Power Switch

Available Models

EV5024TURBO, EV5032TURBO