

EV5016TURBO

HDTVI DVR 4K Resolution



► Features and Functions

Video Input and Transmission:

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input.
- Up to 8-ch 6 MP IP cameras input (disable TURBO channels to generate IP channels) up to 24 IP channels.
- 4K/ 5 MP/4 MP HDTVI 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 HDTVI 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 4K resolution.

Video Output:

- Simultaneous HDMI/VGA output.
- Separate CVBS output.

Storage and Playback:

- 2 SATA interface (up to 8 TB capacity per HDD).
- 16-ch synchronous playback.
- Smart search for efficient playback.
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive).
- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras.

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 2-ch sudden scene change detection.
- VCA information overlay in live view and smart playback.
- VQD (Video Quality Diagnostics).
- Network & Ethernet Access.
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management.
- RJ45 10M/100M/1000M self-adaptive ethernet interface.
- Ethernet interface.
- Output bandwidth limit configurable.

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Professional Video Surveillance Solutions

Video/Audio input

Model:	EV-5016-TURBO
Video compression:	H.265+/H.265/H.264+/H.264
Analog video input:	16-ch
input:	BNC interface (1.0 Vp-p, 75 ff), supporting coaxitron connection
HDTV input:	4K, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25tron connection
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 K)

Video/Audio output

CVBS output:	1-ch, BNC (1.0 Vp-p, 75 ff), resolution: PAL: 704 Ð 576, NTSC: 704 Ð 480
HDMI/VGA output:	VGA: 1-ch, 1920 Ð 1080/60Hz, 1280 Ð 1024/60Hz, 1280 Ð 720/60Hz, 1024 Ð 768/60Hz HDMI: 1-ch, 4K (3840 Ð 2160)/30Hz, 2K (2560 Ð 1440)/60Hz, 1920 Ð 1080/60Hz, 1280 Ð 1024/60Hz, 1280 Ð 720/60Hz, 1024 768/60Hz
Encoding resolution:	4K/ 5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame rate:	Main stream: 4K@8fps/ 5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)
Video Bit Rate:	32 Kbps to 10 Mbps
Audio output:	1-ch, RCA (Linear, 1 K)
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, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF

Hard disk

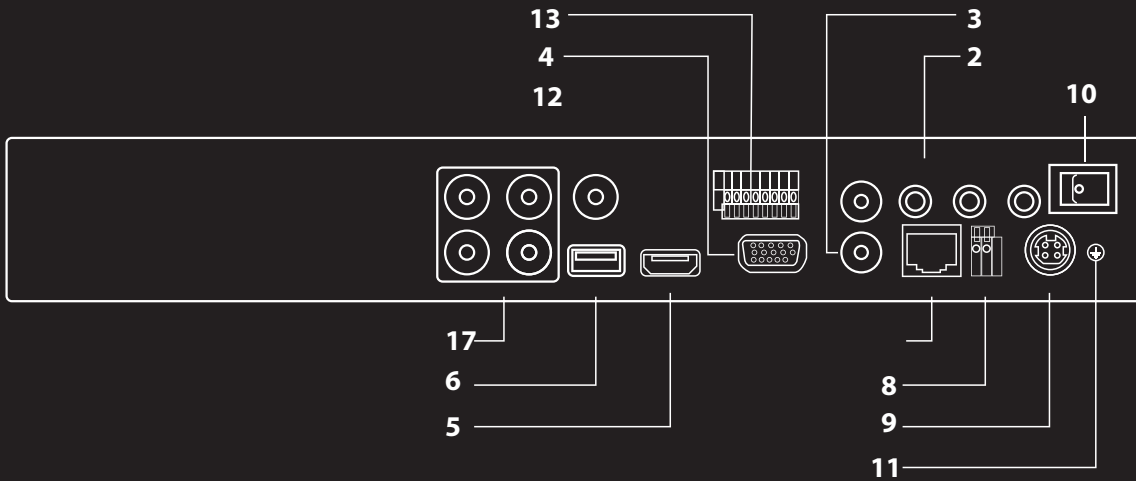
Interface Type:	2 SATA Interface
Capacity:	Up to 8 TB capacity for each disk

External interface

Two-way audio:input:	1-ch, RCA (2.0 Vp-p, 1 Kff) (using the 1st audio input)
Network Interface:	1, RJ45 10M/100M/1000M self-adaptiv Ethernet interface rnet interface
USB interface:	Front panel: 1 ÐUSB 2.0 Rear panel: 1 Ð USB 3.0
Serial interface:	RS-485 (half-duplex)
Alarm in/out:	16/4

General

Power Supply:	12 VDC
Consumption:	25 W (without hard disks)
Working Temperature:	-10 °C ~+55 °C (14 °F ~ 131 °F)
Working Humidity:	10% ~ 90%
Dimensions:	380 x 320 x 48 mm (15.0 x 12.6 x 1.9 inch)
Weight (without HDD):	≤ 2 kg (4.4 lb)



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

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