

EV4016TURBO

HDTVI DVR 3MP Resolution



► Features and Functions

Video Input and Transmission

Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input

Up to 2-ch 4 MP IP cameras input

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

Up to 3 MP resolution for recording

Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

Simultaneous HDMI/VGA output

HDMI output at up to 4K (3840 × 2160) resolution for EV4016TURBO

Separate CVBS output

Storage and Playback

2 SATA interface (up to 6 TB capacity per HDD)

16-ch synchronous playback

Smart search for efficient playback

Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

VQD (Video Quality Diagnostics)

Supports PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

1 RJ45 10M/100M/1000M Ethernet

network interface

Output bandwidth limit configurable

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Professional Video Surveillance Solutions

Video/Audio input

Model:	EV-4016-TURBO
Video compression:	H.265+/H.265/H.264+/H.264
Analog video:	16-ch
input:	BNC interface (1.0 Vp-p, 75 ff), supporting coaxitron connection
HDTVI input:	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 NOTE: The 3MP signal input is only available for channel 1, 2, 3 & 4
AHD input:	1080p25, 1080p30, 720p25, 720p30
HDCVI input:	1080p25, 1080p30, 720p25, 720p30
CVBS input:	PAL/NTSC
IP video input:	2-ch Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio compression:	G.711u.
Audio input:	1-ch, RCA (2.0 Vp-p, 1 Kff)

Video/Audio output

CVBS output:	1-ch, BNC (1.0 Vp-p, 75 ff), resolution: PAL: 704 x 576, NTSC: 704 x 480
HDMI/VGA output:	VGA: 1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz HDMI: 1-ch, 4K (3840 x 2160)/30Hz, 2K (2560 x 1440)/60Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz
Encoding resolution:	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame rate:	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3 MP@15fps 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)
Video Bit Rate:	32 Kbps to 6 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

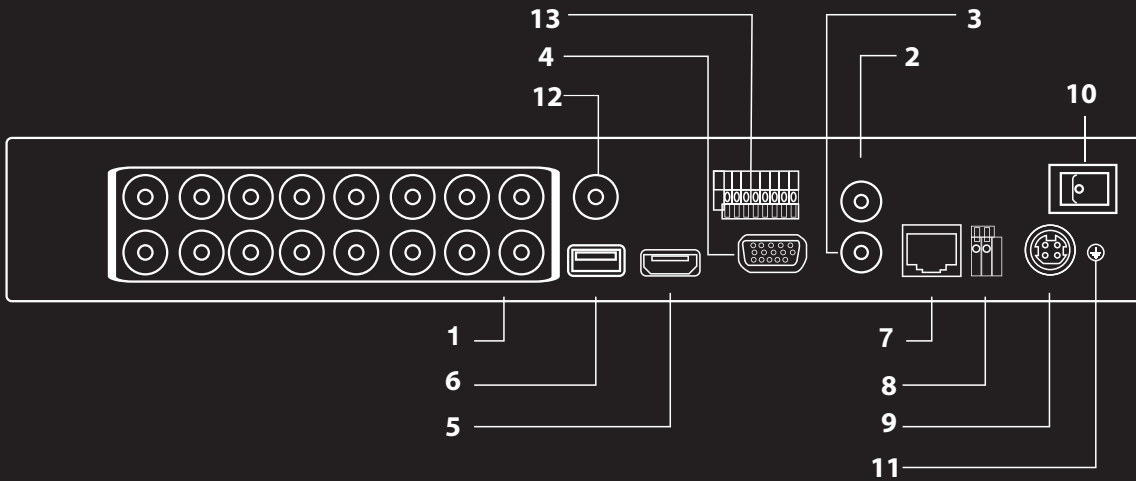
Interface Type:	2 SATA interfaces
Capacity:	Up to 6 TB capacity for each disk

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-adaptive Ethernet interface
USB interface:	Front panel: 1 x USB 2.0 Rear panel: 1 x USB 3.0
Serial interface:	RS-485 (half-duplex)

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)



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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