

# EV5016TURBOX

## SERIES TURBOHD DVR



## Key Features

### Video Input and Transmission

- Self-adaptive HDTV/HD/SD/TVI/CVBS signal input.
- Up to 32-ch 8 MP IP cameras input for EV5016TURBOX.
- 8 MP/5 MP/4 MP HDTV video input and live view for EV5016TURBOX.
- Defogging function enabled for the supported analog cameras.
- Long distance transmission over UTP and coaxial cable: max. 800 m for 1080p and 1200m for 720p HDTV signal.

### Compression and Recording

- H.265 Pro+/H.265 Pro/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.
- Recording at up to 8 MP resolution.

### Video Output

- Simultaneous HDMI/VGA output.
- HDMI output at up to 4K (3840 × 2160) resolution for EV5016TURBOX.
- Separate CVBS output.

### Storage and Playback

- 2 SATA interfaces (up to 10 TB capacity per HDD).
- 8/16-ch synchronous playback.
- Smart search for efficient playback.
- Supports the third-party cloud storage (Dropbox/Google Drive/Microsoft OneDrive).

### Smart Function

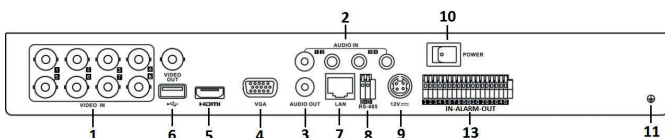
- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras.
- Supports line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection.
- VCA information overlay in live view and smart playback.
- VQD (Video Quality Diagnostics).

### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management.
- 1 RJ45 10M/100M self-adaptive Ethernet interface for EV5016TURBOX, and 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface for EV5016TURBOX.
- 128 Mbps incoming bandwidth and output bandwidth limit configurable.

## Physical Interfaces

- The rear panel of EV5016TURBOX provides 4/16 video input interfaces.



Index	Description I	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		

# Specifications

Model	EV5016TURBOX		
Video/Audio input	Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
	Analog video input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
	HDTVI input	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25	
	AHD input	5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30	
	HDCVI input	4 MP, 1080p25, 1080p30, 720p25, 720p30	
	CVBS input	PAL/NTSC	
	IP video input		16-ch (up to 32-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	
	HDMI/VGA output	<b>VGA:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz <b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Encoding resolution	8 MP/5 MP/4 MP/ 3 MP/1080p/720p/WD1/4CIF/VGA/CIF	
	Frame rate	Main stream:	8 MP@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 KΩ)	
	Audio bit rate	64 Kbps	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
	Synchronous playback	16-ch	
	Network management	Incoming bandwidth	128 Mbps
		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 10 TB capacity for each disk	
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 <sup>st</sup> audio input)	
	Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
	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 × 48 mm (15.0 × 12.6 × 1.9 inch)	
	Weight (without HDD)	≤ 2 kg (4.4 lb)	