

epcom[®]

Professional Video Surveillance Solutions

TURBO HD DVR

16-CH 4K/8MP 1U H.265 AcuSense

EX-8016-TURBO



KEY FEATURE

- 16 channels and 2 HDD 1U AcuSense DVR
- Support 4-ch Facial Recognition or 8-ch advanced model Perimeter Protection based on Deep Learning algorithm
- Efficient H.265 pro+ compression technology
- Encoding ability up to 4K @ 8fps; 3K/5MP @12fps
- Up to 32 channels IP camera inputs, each channel up to 8MP
- Up to 24*1080P@30fps decoding ability
- 5 signals input adaptively (HDMI/AHD/CVI/CVBS/IP)
- Support All channels Motion Detection technology

COMPRESSION AND RECORDING

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP resolution

NETWORK & ETHERNET ACCESS

- Support Hik-Connect & DDNS (Dynamic Domain Name System)
- Output bandwidth limit configurable

SMART FUNCTION

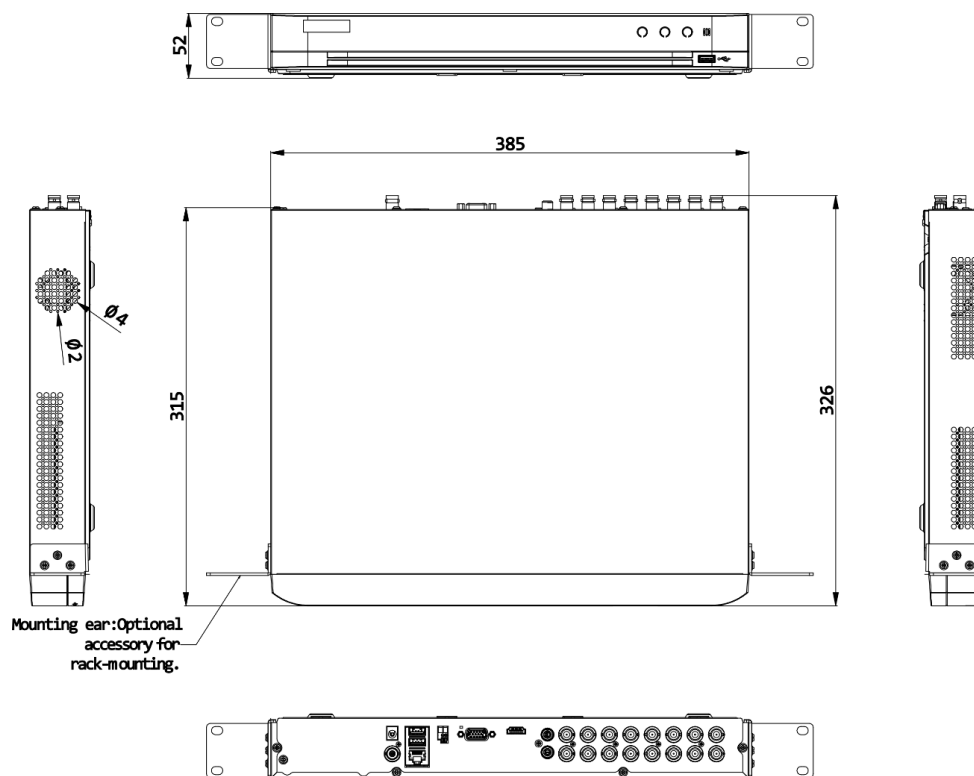
- Up to 16 channels (analog channel) Motion Detection 2.0
- Up to 8 channels (advanced model model□analog channel) Perimeter Protection
- Up to 4 channels (advanced model model□analog channel) human face recognition
- Support smart playback to enhance playback efficiency

SPECIFICATION

Specification	Description
Facial Recognition	
Face Picture Library	Up to 16 face picture libraries; HDD damage will not cause data loss due to HDD and flash back-up.
Face Picture Comparison	4 ch face picture comparison alarm (HD analog camera)
Motion Detection 2.0	
Human/Vehicle Analysis	Deep learning based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;
Perimeter Protection	
Human/Vehicle Analysis	Up to 8 ch (advanced model)
Facial Detection	
Facial Detection and Capture	Face picture detection, face picture search, 4 ch face picture capture
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	8 MP/5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame Rate	Main stream: 8 MP@8 fps, 3K@12 fps, 5 MP@12 fps, 4 MP@15 fps, 8 MP Lite@15 fps, 3 MP@18 fps, 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) Sub stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)
Video Bitrate	32 Kbps to 10 Mbps
Dual-stream Support	Yes
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps

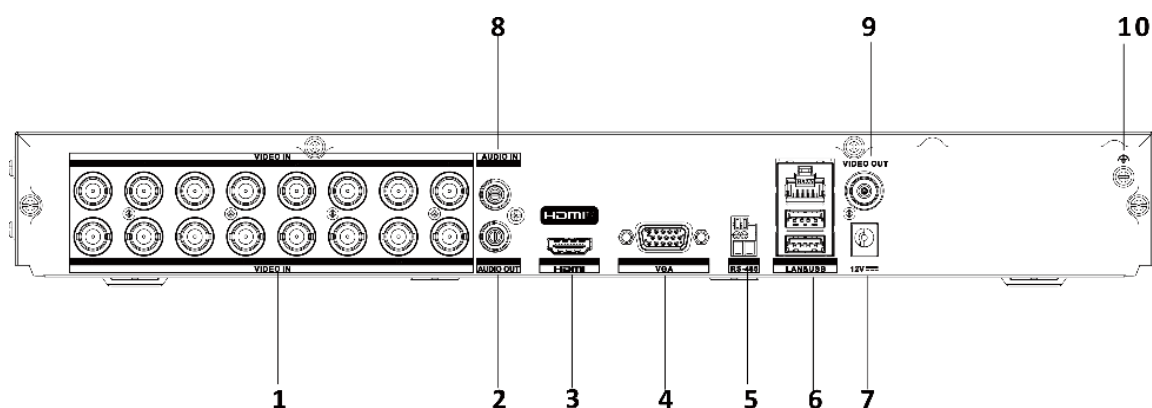
Specification	Description
Video and Audio	
IP Video Input	16 ch (up to 32 ch), each up to 4 Mbps, up to 8 MP resolution, supports H.265+/H.265/H.264+/H.264 IP cameras
Analog Video Input	16 ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDMI Output	1 ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output
VGA Output	1 ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output
CVBS Input	PAL/NTSC
CVBS Output	1 ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Synchronous playback	16 ch
HDTVI Input	8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 3K(2960 × 1665)@20 fps, 5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
AHD Input	5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
HDCVI Input	8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 5M(2880 × 1620)@25 fps, 5 MP(2592 × 1944)@20 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
Audio Output	1 ch, RCA (Linear, 1 KΩ)
Audio Input	1 ch (up to 16 ch is optional), RCA (2.0 Vp-p, 1 KΩ), 16 ch via coaxial cable
Two-Way Audio	1 ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)
Decoding	
Decoding Capability	up to 24 ch 1080P@30fps
Network	
Total Bandwidth	256 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP
Remote Connection	128
Network Interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary Interface	
SATA	2 SATA interfaces
Capacity	Up to 12 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 × USB 2.0, Rear panel: 2 × USB 3.0
Alarm In/Out	N/A (optional to support)
General	
Power Supply	12 VDC, 5 A
Consumption	≤ 60 W
Working Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	385 × 315 × 52 mm (15.2 × 12.4 × 2.0 inch)
Weight	≤ 2.1 kg (4.6 lb)

DIMENSION



scale/1:1;Unit/mm

PHYSICAL INTERFACE



Specification	Description	No.	Description
1	Video in	6	LAN network interface and USB interface
2	Audio out	7	12 VDC power input
3	HDMI interface	8	GND
4	VGA interface	9	Audio in
5	RS-485 interface	10	Video out