TURBO HD DVR

8-CH 3K/5MP H.265 AcuSense DVR

EX-5008-TURBO

EX SERIES

KEY FEATURE

- 8 channels and 1 HDD 1U AcuSense DVR
- Supports 2-ch Facial Recognition or
- 4-ch advanced model Perimeter Protection based on Deep Learning algorithm
- Support HDTVI Two Two-Way Audio technology
- Efficient H.265 pro+ compression technology
- Encoding ability up to 3K/5M Lite @ 12 fps
- 5 signals input adaptively (HDTVI/AHD/CVI/CVBS/IP)
- Up to 12 network cameras can be connected
- 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 3K / 5 MP Lite resolution

STORAGE AND PLAYBACK

- 1 SATA interface (up to 10 TB capacity)
- Smart search for efficient playback

SMART FUNCTION

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
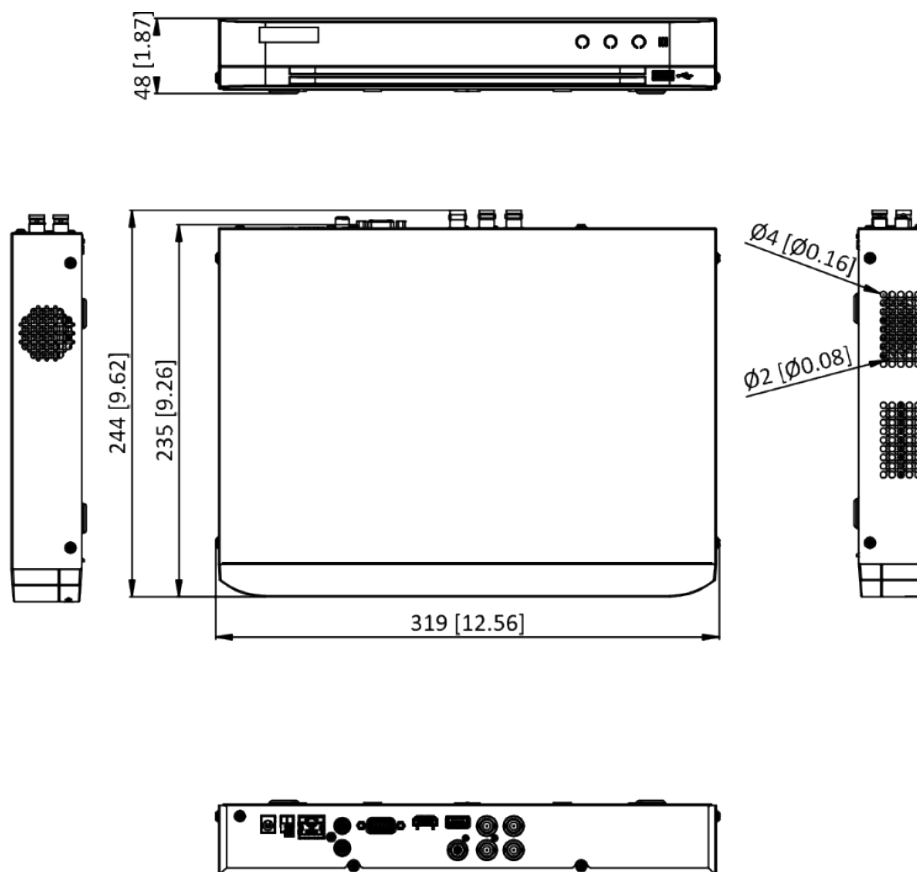- Deep learning based perimeter protection

NETWORK & ETHERNET ACCESS

- Compatible with major Wi-Fi dongle product s in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
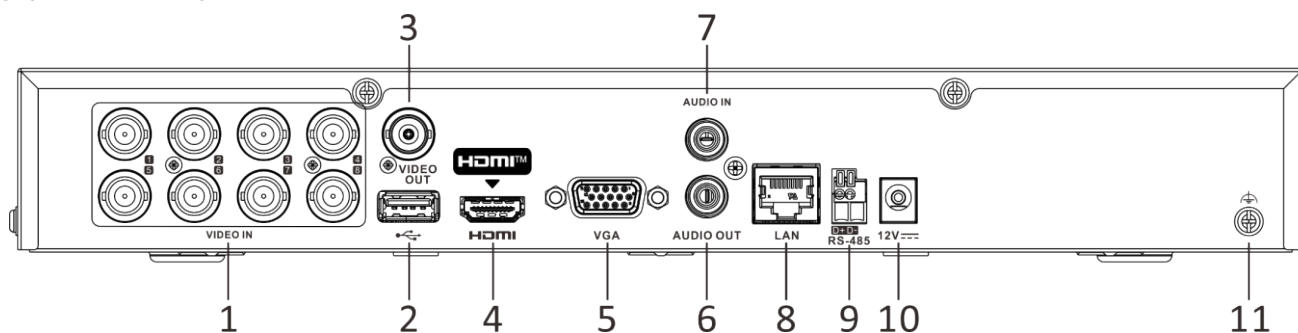
SPECIFICATION

Specification	Description
Facial Recognition	Face Picture Library
Face Picture Library	Up to 16 face picture libraries
Face Picture Comparison	Captured from face picture comparison, face picture search (2 ch face picture comparison alarm for 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 4 ch Note: Face picture comparison, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other two unavailable
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	When 1080p Lite mode is not enabled: 3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame Rate	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite@12fps; 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@20fps For 5 MP stream access: 5 MP lite@12fps; 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@20fps For 4 MP stream access: 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) 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: 3K lite/5 MP lite@12fps; 4 MP lite@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
Video Bitrate	32 Kbps to 6 Mbps
Dual-stream	Support main stream or sub stream
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps

Specification	Description
Video and Audio	
IP Video Input	2-ch (up to 10-ch); Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps; Up to 6 MP resolution; Support H.265+/H.265/H.264+/H.264 IP cameras Note: Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details
Analog Video Input	8-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI Input	3K(2960 x 1665)@20 fps, 5 MP(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
AHD Input	5 MP(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
HDCVI Input	5 MP(2592 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
CVBS Input	PAL/NTSC
HDMI Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, HDMI/VGA simultaneous output
VGA Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, HDMI/VGA simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 x 576, NTSC: 704 x 480
Audio Input	1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ); 8-ch via coaxial cable Note: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
Synchronous Playback	8-ch
Network	
Remote Connection	64
Total Bandwidth	96 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
Auxiliary Interface	
Serial Interface	RS-485 (half-duplex)
SATA	1 SATA interface, up to 10 TB capacity for each disk
Alarm In/Out	N/A (optional to support)
USB Interface	Front panel: 1 x USB 2.0; Rear panel: 1 x USB 2.0
General	
Power Supply	12 VDC, 1.5 A
Consumption	≤ 18 W (without HDD)
Working Temperature	-10 ℃ to + 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	10% to 90%
Dimension (W x D x H)	315 x 242 x 45 mm (12.4 x 9.5 x 1.8 inch)
Weight	≤ 1.78 kg (3.9 lb) (without HDD)

Dimension

Physical Interface

Specification	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		