

EV-8000TURBO-D

TURBO SensePlus DVR

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Key Features

Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 8/16-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD

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

Storage and Playback

- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

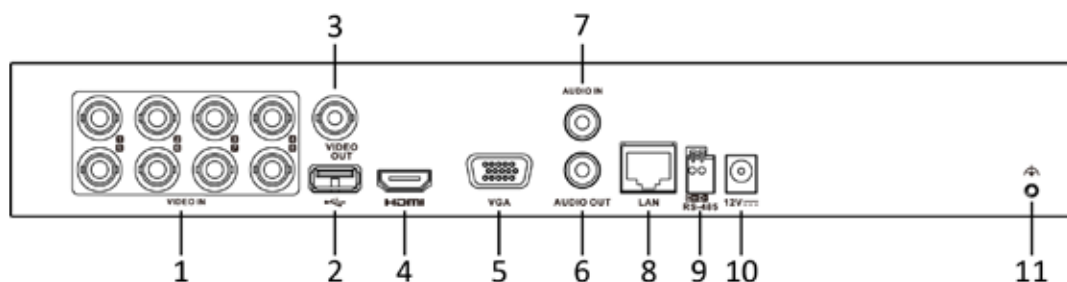
Smart Function

- Deep learning-based motion detection, perimeter protection (line crossing and intrusion detection), or facial detection
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

Physical Interface



The rear panel of EV-8004TURBO-D provides 4 video input interfaces.

No.	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		

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Specifications

Model	EV-8004TURBO-D		EV-8008TURBO-D	
Motion Detection 2.0 ¹				
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 ¹				
Human/Vehicle Analysis	Up to 4-ch			
Facial Detection ¹				
Facial detection and capture	1-ch human face capture (HD analog camera)			
Recording				
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
Encoding resolution	Main stream: 8 MP@8 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) *: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.		Main stream: 8 MP@8 fps/5 MP@12 fps/ 4 MP@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			
Stream type	Video, Video & Audio			
Audio compression	G.711u			
Audio bitrate	64 Kbps			
Video and Audio				
IP video input ²	2-ch (up to 6-ch)		4-ch (up to 12-ch)	
	Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps		Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps	
	Up to 8 MP resolution			
	Support H.265+/H.265/H.264+/H.264 IP cameras			
Analog video input	4-ch		8-ch	
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
HDTVI input	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps		8 MP, 5 MP, 4 MP, 3 MP, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	
AHD input	5 MP, 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps			
HDCVI input	4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps			
CVBS input	PAL/NTSC			
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω),			

Specifications

	resolution: PAL: 704 × 576, NTSC: 704 × 480	
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output
HDMI output	1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
	4-ch via coaxial cable	8-ch via coaxial cable
Audio output	1-ch, RCA (Linear, 1 KΩ)	
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	
Synchronous playback	4-ch	8-ch
Network		
Remote connections	32	64
Network protocols	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	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface	
Auxiliary interface		
SATA	1 SATA interface	
Capacity	Up to 10 TB capacity for each disk	
Serial interface	RS-485 (half-duplex)	
USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm in/out	N/A	
General		
Power supply	12 VDC, 1.5 A	12 VDC, 2 A
Consumption (without HDD)	≤ 10 W	≤ 15 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Working humidity	10% to 90%	
Dimension (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	
Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 2 kg (4.4 lb)

Note:

1: Motion detection 2.0, perimeter protection and facial detection cannot be enabled at the same time. Enable one function will make the other two unavailable.

2: 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.

B50-TURBO-G2/A

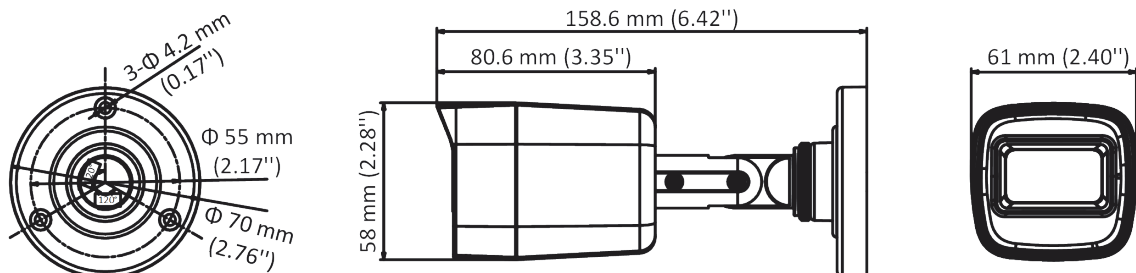
5 MP Audio Camera

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- 5 MP, 2560 × 1944 resolution
- Digital WDR
- 2.8 mm, 3.6 mm, 6 mm fixed focal lens
- Smart IR, up to 30 m IR distance
- Audio over coaxial cable, built-in mic
- 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
- IP67

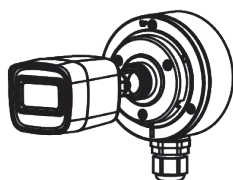
Dimension



Camera	
Image Sensor	5 MP CMOS
Signal System	PAL/NTSC
Resolution	2560 (H) × 1944 (V)
Frame Rate	TVI: 5MP@20fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 4MP@30fps, 4MP@25fps AHD: 5MP@20fps, 4MP@30fps, 4MP@25fps CVBS: PAL/NTSC
Min. illumination	0.01 Lux@(F1.2, AGC ON), 0 Lux with IR
Shutter Time	PAL: 1/25 s to 1/50, 000 s NTSC: 1/30 s to 1/50, 000 s
Lens	2.8 mm, 3.6 mm, 6 mm fixed lens
Field of View	2.8 mm, horizontal FOV: 85.5°, vertical FOV: 63.7°, diagonal FOV: 110.7° 3.6 mm, horizontal FOV: 80.1°, vertical FOV: 63.7°, diagonal FOV: 105.9° 6 mm, horizontal FOV: 57.1°, vertical FOV: 43.1°, diagonal FOV: 72.5°
Lens Mount	M12
Day & Night	ICR
WDR (Wide Dynamic Range)	Digital WDR
Audio	Built-in mic
Angle Adjustment	Pan: 0 to 355°, Tilt: 0 to 75°, Rotation: 0 to 355°
Menu	
Image Mode	STD/HIGH-SAT
AGC	Yes
Day/Night Mode	Auto/Color/BW (Black and White)
White Balance	Auto/Manual
AE (Auto Exposure) Mode	DWDR/BLC/HLC/Global
Noise Reduction	2D DNR
Language	English
Function	Brightness, Sharpness, Mirror, Smart IR
Interface	
Video Output	Switchable TVI/AHD/CVI/CVBS
General	
Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F), humidity 90% or less (non-condensing)
Power Supply	12 VDC ± 25% *You are recommended to use one power adapter to supply the power for one camera.
Power Consumption	Max. 3.7 W
Protection Level	IP67
Material	Metal

General	
IR Range	Up to 30 m
Communication	HIKVISION-C
Dimensions	58 mm × 61 mm × 158.6 mm (2.28" × 2.40" × 6.42")
Weight	Approx. 292 g (0.64 lb.)

Accessory



DS-1280ZJ-XS
Junction Box