

HXVR-08E204H1



Features and Functions

Key features

- | Deep learning based human and vehicle targets classification of Motion Detection 2.0
- | 8 analog channels and 1 HDD 1U DVR
- | Efficient H.265 Pro+ compression technology
- | HDTV/1/AHD/CVI/CVBS/IP video input
- | Up to 8 MP@8 fps and 5 MP@12 fps encoding capability
- | Up to 16 network cameras can be connected

Compression and Recording

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

Smart Function

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

Storage and Playback

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

Network & Ethernet Access

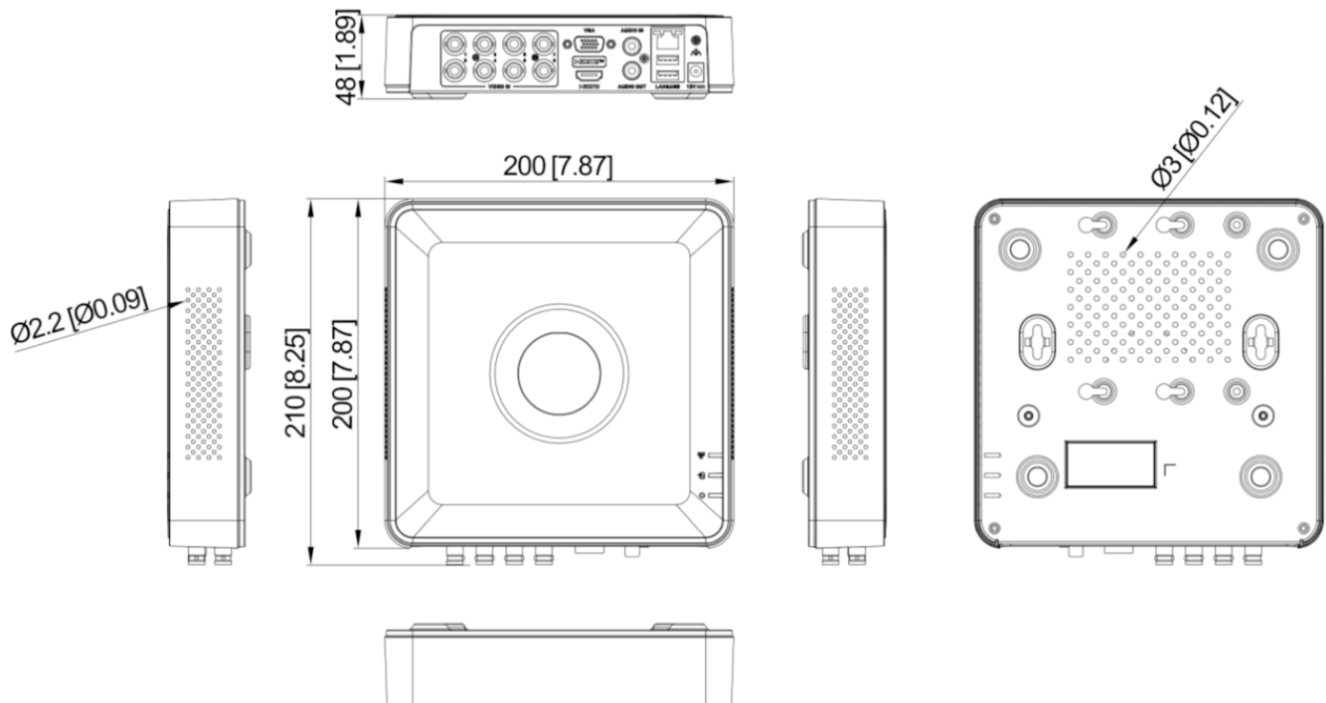
- | Output bandwidth limit configurable
- | CMS-MAZi & DDNS (Dynamic Domain Name System) for easy network management

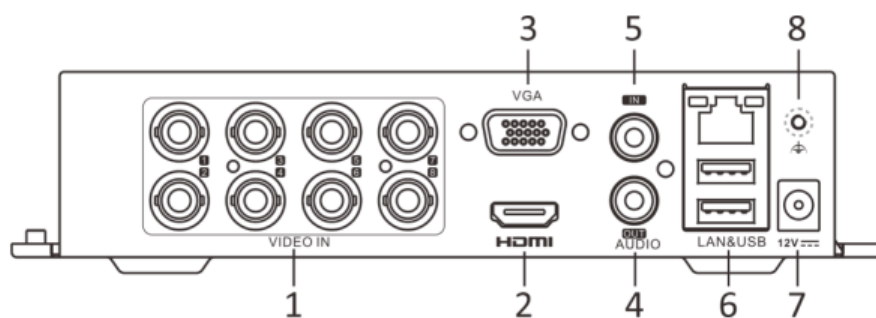
Model HXVR-08E204H1		
Motion Detection 2.0	Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; quick search by object or event type is supported
Perimeter Protection	Human/Vehicle Analysis	Up to 4-ch
Facial Detection	Facial Detection and Capture	Face picture detection, face picture search
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	<u>Main stream:</u> 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) <u>Sub-stream:</u> WD1/4CIF/CIF @25fps (P)/30fps (N)
	Video bit rate	32 kbps to 10 Mbps
	Dual-stream	Support
	Stream type	Video, Video & Audio
	Audio compression	G.711u
	Audio bit rate	64 kbps
Video and Audio	IP video input	4-ch (up to 12-ch), 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	8-ch; BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTV 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, 3 MP@18 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, 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
	CVBS input	PAL/NTSC
	VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
	HDMI output	1-ch, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
	Video output mode	HDMI/VGA simultaneous output
	Audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ), 4-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 first audio input)
	Synchronous playback	8-ch
Network	Total Bandwidth	128 Mbps
	Remote connection	64
	Network protocols	TCP/IP, PPPoE, DHCP, CMS-MAZi, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
	Network 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
Auxilliary Interface	SATA	1 SATA interface
	Capacity	Up to 10 TB capacity for each disk
	USB interface	Rear panel: 2 × USB 2.0
	Alarm in/out	N/A

General	Power supply	12 Vdc, 2 A
	Consumption (without HDD)	≤ 10 W
	Working temperature	-10 °C ÷ +55 °C (14 °F ÷ 131 °F)
	Working humidity	10% ÷ 90%
	Dimension (W × D × H)	200 × 200 × 48 mm (7.9 × 7.9 × 1.9 inch)
	Weight (without HDD)	≤ 1 kg (2.2 lb)

Note:

- Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
- Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.





No.	Description	No.	Description
1	Video and coaxial audio in	5	AUDIO IN, RCA connector
2	HDMI interface	6	LAN network interface and USB interface
3	VGA interface	7	12 VDC power input
4	AUDIO OUT, RCA connector	8	GND