

HXVR-16P106H2-AT



Features and Functions

Key features

- | 16 channels and 2 HDD 1U DVR
- | Support 4-ch Facial Recognition or 8-ch advanced model Perimeter Protection based on Deep Learning algorithm
- | Support 8-ch Search Technology
- | Efficient H.265 pro+ compression technology
- | Encoding ability up to 3K/5 MP Lite@12fps
- | Up to 24 x 1080P @30fps decoding ability
- | 5 signals input adaptively HDTV/AVD/CVI/CVBS/IP
- | Up to 24-ch IP camera inputs (each channel up to 6 MP)
- | Support All channels Motion Detection Technology
- | Support All channels HDTV Two-Way Audio 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

Smart Function

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

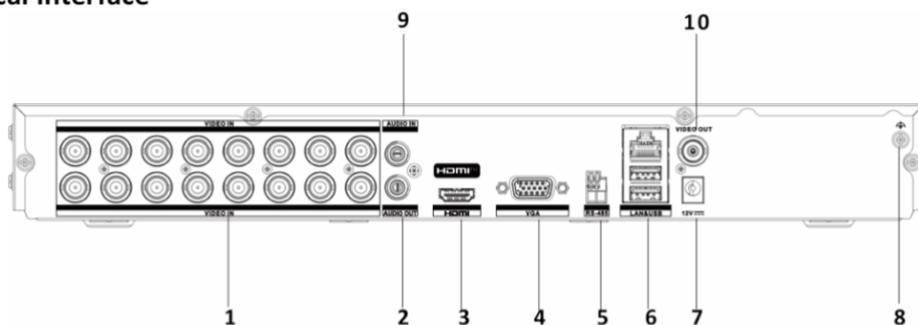
Network & Ethernet Access

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

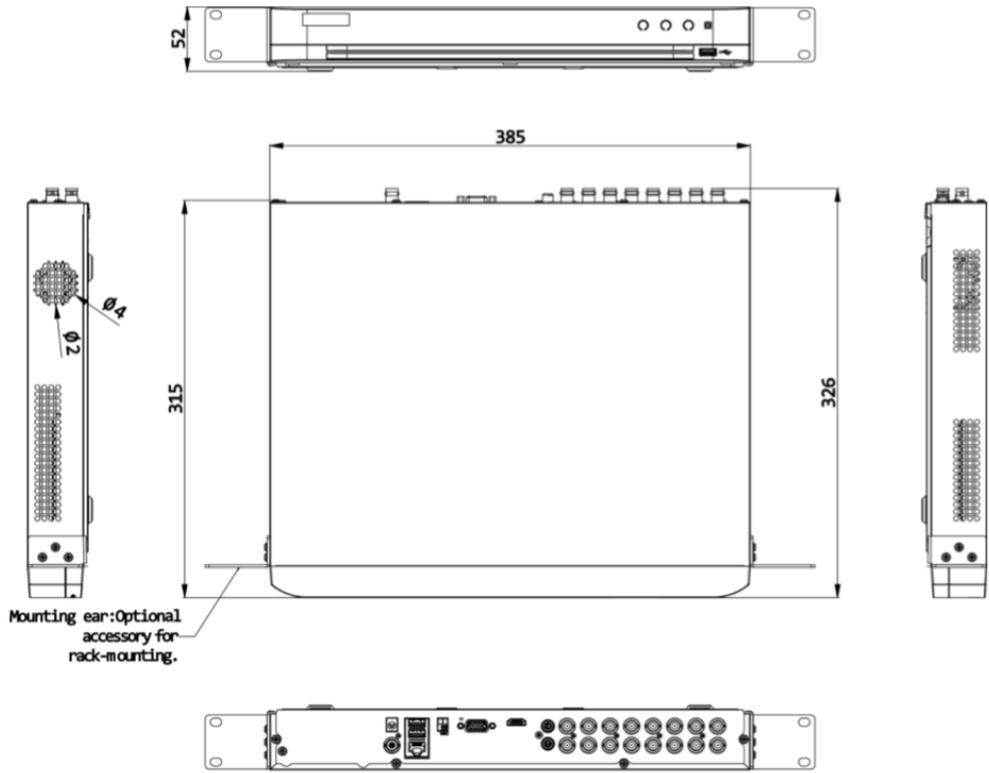
Model		HXVR-16P106H2-AT	
Facial Recognition	Face Picture Library	Up to 16 face picture libraries; HDD damage will not cause data loss in the face picture library, because the library has been backed up by HDD and flash.	
	Face Picture Comparison	4-ch face picture comparison alarm (HD analog camera)	
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	
	Human/Vehicle Analysis	Up to 8-ch	
Perimeter Protection	Human/Vehicle Analysis	Up to 8-ch	
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	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	<i>Main stream:</i> When 1080p lite mode not enabled: For 3K stream access: 3K lite@12fps;4 MP lite @15fps/1080pLite @20fps; 720p/WD1/4CIF/VGA/CIF @20fps For 5 MP stream access: 5 MP lite @12fps;4 MP lite @15fps/1080pLite @20fps; 720p/WD1/4CIF/VGA/CIF @20fps For 4 MP stream access: 4 MP lite @15fps/1080pLite @25fps (P)/30fps (N); 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) <i>Sub-stream:</i> WD1/4CIF @12 fps; CIF@25 fps (P)/30 fps (N)	
	Video bit rate	32 kbps to 6 Mbps	
	Dual-stream	Support main stream or sub-stream	
	Stream type	Video, Video & Audio	
	Audio compression	G.711u	
	Audio Bit Rate	64 kbps	
	Decoding	Decoding Capability	up to 24-ch 1080P @30fps
	Video and Audio	IP video input	8-ch (up to 24-ch), each up to 6 MP resolution
Analog video input		16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
HDTVl input		3K (2960 x 1665)@25/20 fps, 3K (3328x1504)@20 fps,5 MP (2560 × 1944)@20 fps, 4 MP (2560 × 1440)@25/30 fps,1080P @25/30 fps, 720P @25/30 fps	
AHD input		5 MP (2560 × 1944)@20 fps, 4 MP (2560 × 1440)@25/30 fps,1080P @25/30 fps, 720P @25/30 fps	
HDCVl input		3K (2880×1620)@25 fps, 5 MP (2592 × 1944)@20 fps, 4 MP (2560 × 1440)@25/30 fps.1080P @25/30 fps. 720P @25/30 fps	
CVBS input		PAL/NTSC	

	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576. NTSC: 704 × 480
	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
	VGA output	1-ch, 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), 16-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	16-ch
Network	Total Bandwidth	256 Mbps
	Remote connection	128
	Network protocol	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP
	Network interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary interface	SATA	2 SATA interface, up to 12 TB capacity for each disk
	Serial interface	RS-485 (half-duplex)
	Alarm in/out	N/A (optional to support)
	USB interface	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0
General	Power supply	12 Vdc, 3.3 A
	Consumption (without HDD)	≤ 40 W
	Working temperature	-10 °C ÷ +55 °C (14 °F to 131 °F)
	Working humidity	10% ÷ 90%
	Dimension (W × D × H)	384 × 317 × 52 mm (15.1 × 12.5 × 2.0 inch)
	Weight (without HDD)	≤ 2 kg (4.4 lb)

Physical Interface



No.	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



scale/1:1;Unit/mm