

HXVR-04P102H1



Features and Functions

Key features

- | 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
- | HDTV/AVHD/CVI/CVBS/IP video inputs
- | Audio via coaxial cable
- | Up to 12-ch IP camera inputs (up to 6 MP)
- | Up to 10 TB capacity per HDD

Compression and Recording

- | H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- | Full channel recording at up to 1080p resolution

Storage and Playback

- | Smart search for efficient playback
- | Support the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

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

Network & Ethernet Access

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

Model			HXVR-08P102H1
Motion Detection 2.0 ¹	Human/Vehicle Analysis	<p>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;</p> <p>Quick search by object or event type is supported</p>	
Perimeter Protection ¹	Human/Vehicle Analysis	Up to 4-ch	
Recording	Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
	Encoding resolution	<p><i>Main stream:</i></p> <p>When 1080p lite mode not enabled:</p> <p>For 4 MP stream access:</p> <p>4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)</p> <p>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fps</p> <p>For 1080p stream access:</p> <p>1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p><i>Sub-stream:</i></p> <p>WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N)</p>	
	Video bit rate	32 kbps to 6 Mbps	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
	Audio compression	G.711u	
	Audio bit rate	64 kbps	
Video and Audio	IP video input ²	<p>2-ch (up to 10-ch)</p> <p>Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps</p> <p>Up to 6 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>	
	Analog video input	<p>8-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>	
	HDTVI input	<p>3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p30, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps</p> <p><i>The 3 MP signal input is only available for channel 1/2</i></p>	
	AHD input	<p>4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</p>	
	HDCVI input	<p>4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</p>	
	CVBS input	PAL/NTSC	
	CVBS output	<p>1-ch, BNC (1.0 Vp-p, 75 Ω),</p> <p>resolution: PAL: 704 × 576. NTSC: 704 × 480</p>	
	HDMI output	1-ch, 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 ³	<p>1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)</p> <p>8-ch via coaxial cable</p>	
	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
	Remote connection	64
Network	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
	SATA	1 SATA interface, up to 10 TB capacity for each disk
Auxiliary interface	Serial interface	RS-485 (half-duplex)
	Alarm in/out ³	N/A (optional to support)
	USB interface	<i>Front panel:</i> 1 × USB 2.0; <i>Rear panel:</i> 1 × USB 2.0
	Power supply	12 Vdc, 1.5 A
General	Consumption (without HDD)	≤ 18 W
	Working temperature	-10 °C ÷ +55 °C (14 °F to 131 °F)
	Working humidity	10% ÷ 90%
	Dimension (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)
	Weight (without HDD)	≤ 1.78 kg (3.9 lb)

Note:

1. Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
2. 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.
3. 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.