

## HXVR-16P102H2



### 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
- | HDTVI/AHD/CVI/CVBS/IP video inputs
- | Audio via coaxial cable
- | Up to 24-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

- | Two SATA interfaces
- | 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-16P102H2
Motion Detection 2.0 <sup>1</sup>	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 <sup>1</sup>	Human/Vehicle Analysis	Up to 4-ch
Recording	Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
	Encoding resolution	<i>Main stream:</i> When 1080p lite mode not enabled: For 4 MP stream access: 4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fps For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) When 1080p Lite mode enabled: 4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (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
	Stream type	Video, Video & Audio
	Audio compression	G.711u
	Audio bit rate	64 kbps
	Video and Audio	IP video input <sup>2</sup>
Analog video input		16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTV input		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 <i>The 3 MP signal input is only available for channel 1/2/3/4</i>
AHD input		4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps
HDCVI input		4 MP@25 fps, 4 MP@30 fps, 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), resolution: PAL: 704 × 576. NTSC: 704 × 480
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 <sup>3</sup>		1-ch (up to 16-ch is optional), 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	Remote connection	128
	Network protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, 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
Auxiliary interface	SATA	2 SATA interface, up to 10 TB capacity for each disk
	Serial interface	RS-485 (half-duplex)
	Alarm in/out <sup>3</sup>	N/A (optional to support)
	USB interface	<i>Front panel:</i> 1 × USB 2.0; <i>Rear panel:</i> 1 × 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)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
	Weight (without HDD)	≤ 2 kg (4.4 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.