



# DH-XVR5216A-I3

## 16 Channels Penta-brid 5M-N/1080P 1U 2HDDs WizSense Digital Video Recorder





Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

#### **Series Overview**

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, XVR5000-I3 Series featuring max.full-channel SMD Plus to benefit customers from Al upgrade (The number of channels differs depending on the model. Please refer to the specifications below for information on the number of channels.). This series has been developed to reduce false-alarm rates and the cost of human surveillance, thus bringing great value to customers in search of products with accurate human/vehicle alarm to raise the security level of various indoor and outdoor facilities.

### **Functions**

## Face Recognition

Dahua Face Recognition technology extracts the features of captured faces and compares them with that in face database to recognize the person identity.

\*Face Recognition takes effect when Face is selected in Al Mode.

## **Perimeter Protection**

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy.

\*Perimeter Protection takes effect when IVS&SMD is selected in AI Mode.

#### **SMD Plus**

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

\*SMD Plus takes effect when SMD or IVS&SMD is selected in Al Mode

- · H.265+/H.265 dual-stream video compression
- · Supports Full-channel AI Coding
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24 channels IP camera inputs, each channel up to 6MP; Max 128
   Mbps incoming bandwidth
- Up to 4 channels video stream (analog channel) Perimeter Protection
- Up to 16 channels video stream (analog channel) SMD Plus
- Up to 2 channels video stream (analog channel) human face recognition
- IoT & POS functionalities



#### **Smart Dual Illuminators**

With Smart Dual Illuminators technology, you can select Smart Illumination Mode for the system to automatically switch between IR mode and white light mode. It allows white light to be turned on when a target is detected by the SMD Plus/Perimeter Protection function of AI-enabled XVR. This significantly reduces light pollution at night. Together with other modes, including IR Mode and White Light Mode, the smart dual illumination technology can meet the requirements of a wide variety of scenes.

## **One-click Arming/Disarming**

With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

#### **Customizable Alarm Audio**

Designed for your convenience, the TiOC alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

## **AI Coding**

Compared with H.265/H.264, Al coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

## **Audio over Coax**

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Technical Specification	on		1 HDMI, 1 VGA VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
System		Video Output	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1 × 720
Main Processor	Embedded processor		It changes to $1920 \times 1080$ , $1280 \times 1024$ , $1280 \times 7$ when Face or IVS&SMD is selected in AI Mode.
Operating System	Embedded Linux	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/1 When IP extension mode enabled: 1/4/8/9/16/25
Operating Interface	Web; Local GUI	Third-party Camera Access	Onvif, Panasonic, Sony, Axis, Arecont, Pelco, Cano Samsung
Perimeter Protection		Compression Standa	Ü
Perimeter Performance Al by Recorder (Number of Channels)	Advanced Model: 2 channel, 10 IVS for each channel General Model: 4 channels, 10 IVS for each channel	Video Compression	AI Coding/H.265+/H.265/H.264+/H.264
Face Detection		Audio Compression	G.711A/G.711u/PCM
-ace Detection	Conder, age group, glasses, conversions, feet mode.	Network	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard	Network Protocol	HTTP, HTTPS, TCP / IP, IPv4, RTSP, UDP, SMTP, NTI DNS, DDNS, P2P
Face Detection Performance of AI by Recorder (Number of	2 channels (up to 12 face images/s)	Mobile Phone Access	iPhone, iPad, Android
Channels)		Interoperability	ONVIF 21.06, CGI
Face Recognition		Browser	Chrome, IE9 or above, Firefox
Face Database Canacity	Up to 10 face databases with 10000 face images in total. Name, gender, birthday, address, certificate type,	Network Mode	Single-address mode
Face Database Capacity	cerificate No., countries&regions and state can be added to each face picture	Recording Playback	
Face Recognition Performance of AI by		Record Mode	General, motion detection; intelligent; alarm; PO
Recorder (Number of Channels)	2 channels	Recording Playback	1/4/9/16 It changes to 1/4/9 split when Face or IVS&SMD i selected in Al Mode.
SMD Plus		Backup Method	USB Device/Network
SMD Plus by Recorder	16 channels: Secondary filtering for human and motor vehicle SMD Plus, reducing false alarms caused by leaves, rain and lighting condition change	Playback Mode	Instant playback, general playback, event playbac playback, smart playback (face and motion detec
Audio and Video		Storage	
Analog Camera Input	16 BNC ports, CVI access by default, supports HDCVI/ AHD/TVI/CVBS auto-detect	Disk Group	Yes
- And/		Alarm	
Camera Input	<ol> <li>CVI: 5MP, 4MP, 1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps.</li> <li>TVI: 5MP, 4MP, 1080p@25/30 fps, 720p@25/30 fps.</li> </ol>	General Alarm	Motion detection, Video Loss, tampering, and localarm
IP Camera Input 1 *	3. AHD: 5MP, 4MP, 1080p@25/30 fps, 720p@25/30 fps.  Up to 24 channels of IPC access 8 IP channels by default + 16 channels (analog channels are converted to IP channels) incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled.	Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, conflict
		Intelligent Alarm	Face detection, face recognition, perimeter prote
		Alarm Linkage	Record, snapshot (panoramic), IPC external alarn output, access controller, voice prompt, buzzer, I preset, email
		Ports	preset, email
Encoding Capacity	Main stream: All channel 5M-N (1 fps–10 fps); 4M-N/1080p (1 fps–15 fps); 1080N/720p/960H/D1/CIF (1 fps–25/30 fps) Sub stream: Supported (D1/CIF (1 fps–15 fps)).	Audio Input	4-channel RCA (external) 16-channel BNC (coaxial audio)
Dual-stream	Yes	Audio Output	1-channel RCA
/ideo Frame Rate	PAL: 1 fps-25 fps.	Two-way Talk	Yes (share the same audio input with the first cha
	NTSC: 1 fps-30 fps.	Alarm Input	16 channels
Video Bit Rate	32 Kbps–6144 Kbps Per Channel	Alarm Output	3 channels
Audio Sampling	8 KHz, 16 bit	HDD Interface	2 SATA Ports,up to 16TB for a single HDD, the ma HDD capacity varies with environment temperate
Audio Bit Rate	64 Kbps		

USB

2 (1 front USB 2.0 port, 1 rear USB 3.0 port)

## Wiz Sense | DH-XVR5216A-I3

1	
1 (10/100/1000 Mbps Ethernet port, RJ-45)	
DC12V, 4A	
Lower than 12 W	
kg (3.62 lb)	
2.94 kg (6.48 lb)	
1U, 375.0 mm × 289.4 mm × 53.0 mm 14.76" × 11.39" × 2.09" (W × D × H)	
mm × 141.0 mm × 366.0 mm "× 5.55" × 14.41" (W × D × H)	
C to +55 °C (+14 °F to +131 °F)	
90%	
Desktop	
CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 FCC: Part 15 Subpart B	

Ordering Information				
Туре	Model	Description		
16 Channels WizSense XVR	DH-XVR5216A-I3	1U DIGITAL VIDEO RECORDER		

## Dimensions (mm[inch])





