



DH-XVR4108C-I

8 Channel Penta-brid 1080N/720p Smart 1U 1HDD WizSense Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports Full-channel AI-Coding
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 10 channels IP camera inputs, each channel up to 6MP; Max
 32 Mbps incoming bandwidth
- Up to 8 channels video stream (analog channel) SMD Plus













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, XVR4000-I Series featuring SMD Plus to benefit customers from AI upgrade. The series are designated to reduce false-alarm rates and human surveillance costs, 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

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.

AI Coding

Compared with H.265/H.264, Al coding can reduce more than 50% bit rate and storage requirements while have no loss of decoding compatibility, providing clear human and vehicle details.

Smart Codec

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

High Definition Camera Input

The XVR supports up to 2MP HDCVI camera and 6MP IP camera input.

Coaxial Audio/Upgrade/Alarm

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

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 800 m for 1080p and 1200 m for 720p.

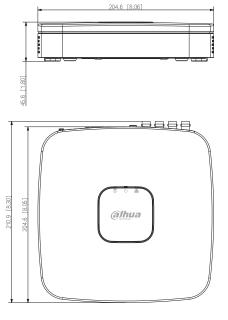


Technical Specifica	tion	Smart Phone	iPhone; iPad; Android	
System		Interoperability	ONVIF 16.12, CGI Conformant	
Main Processor	Embedded processor	Video Detection and	Alarm	
Operating System	Embedded linux	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
SMD Plus		Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis	
Performance	8 channels	Alarm input	N/A	
Al Search	Search by target classification (Human, Vehicle)	Relay Output	N/A	
Video and Audio		Playback and Backur	Playback and Backup	
Analog Camera Input	8 channels, BNC	Playback	1/4/9	
HDCVI Camera Input	1080p@ 25/30 fps, 720p@ 25/30 fps		Time/Date; Alarm; MD and Exact Search (accurate to	
AHD Camera Input	1080p@ 25/30 fps, 720p@ 25/30 fps	Search Mode	second)	
TVI Camera Input	1080p@25/30 fps, 720p@25/30 fps	Playback Function	Play; Pause; Stop; Rewind; Fast play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom	
CVBS Camera Input	PAL/NTSC	Backup Mode	USB Device/Network	
IP Camera Input	8+2 channels, each channel up to 6MP	·	OSB BEVICE/NEEWOLK	
Audio In/Out	1/1, RCA	Storage		
Two-way Talk	Reuse audio in/out, RCA	Internal HDD	1 SATA port, up to 6 TB capacity	
Recording		eSATA	N/A	
Compression	Al Coding/H.265+/H.265/H.264+/H.264	Auxiliary Interface		
Resolution	1080N; 720p; 960H; D1; HD1; BCIF; CIF	USB	2 USB ports (USB 2.0)	
	Main Stream: 8-channel: the 1st channel 1080N/720p(1 fps-25/30 fps), others 1080N/720p(1 fps-15fps); 960H/D1/CIF/(1 fps-25/30 fps) Sub stream: 8-channel: CIF (1fps-7 fps)	RS485	N/A	
Record Rate		Electrical	N/A	
Bit Rate	32 kbps-6144 kbps per channel	Power Supply	DC 12V/1.5A	
Record Mode	Manual; Schedule (General, Continuous); MD (Video detection: Motion Detection, Video Loss, Tampering);	Power Consumption (Without HDD)	<7W	
	Alarm; Stop 1 min – 60 min (default: 60 min), Pre-record: 1 s – 30 s,	Construction		
Record Interval	Post-record: 10 s–300 s	Dimensions	Smart 1U, 204.6 mm × 210.9 mm × 45.6 mm (8.06" × 8.30" × 1.80")	
Audio Compression Audio Sample Rate	G.711A; G.711U; PCM 8 KHz, 16 bit per channel	Net Weight (without HDD)	0.50 kg (1.10 lb)	
Audio Bit Rate	64 kbps per channel	Gross Weight	1.07 kg (2.36 lb)	
	оч корз рег спаппет	Installation	Desktop installation	
Display		Environmental	Environmental	
Interface	1 HDMI; 1 VGA	Operating Conditions	-10°C to +45°C (+14°F to +113°F), 0%–90% (RH)	
Resolution	1920 × 1080, 1280 × 1024, 1280 × 720	Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0%–90% (RH)	
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16	Third-party Support		
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,	
Network		Tima-party Support	Sanyo, Sony, Videotec, Vivotek, and more	
Interface	1 RJ-45 Port (100 Mbps)	Certifications		
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; SNMP; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; P2P; IP Search	Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1	
Max. User Access	(Supports Dahua IP camera, DVR, NVS, etc.) 128 users		CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN 50130; EN 55024	
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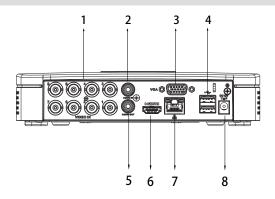


Ordering Information				
Туре	Model	Description		
8 Channel WizSense XVR	DH-XVR4108C-I	Smart 1U WizSense Digital Video Recorder		

Dimensions (mm[inch])



Panels



1 VIDEO IN 2 AUDIO IN, RCA Connector

3 VGA Port
5 AUDIO OUT, RCA Connector
6 HDMI Port
7 Network Port
8 Power Input