



DH-XVR1B16H-I

16 Channel Penta-brid 5M-N/1080P Compact 1U 1HDD 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, Cooper-I 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

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 H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

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.

- · 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
- · Long transmission distance over coax cable
- Up to 16 channels video stream (analog channel) SMD Plus
- POS functionalities











High Definition Camera Input

The XVR supports up to 1080p 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. 700 m for 4K/4MP, 800 m for 1080p and 1200 m for 720p.



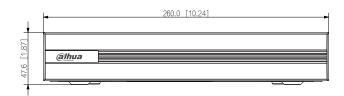
Technical Specification		Playback Mode	Instant playback, gene playback, smart playba
System		Alarm	
Main Processor	Embedded processor	General Alarm	Motion detection, Vid
Operating System	Embedded Linux	Anomaly Alarm	No disk, disk error, low
MD Plus	Full-channel SMD Plus (AI by recorder), secondary filtering for human and motor vehicle SMD Plus, reducing	Alarm Linkage	Record, snapshot (par output, access control
MD Plus by Recorder	false alarms caused by leaves, rain and lighting condition change	Ports	preset, email
audio and Video		Audio Input	1, RCA (external) 16, BNC (coaxial)
nalog Camera Input	16 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured.	Audio Output	1, RCA
mera Input	1. CVI: 5MP, 4MP, 1080P@25/30 fps, 720P@50/60 fps, 720P@25/30 fps. 2. TVI: 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30 fps.	Two-way Talk	Yes (share the same a
	3. AHD: 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30 fps.	HDD Interface	1 SATA Port,up to 16TH HDD capacity varies w
Camera Input	16+8 channels, each channel up to 6MP	USB	2 USB Ports (2 USB 2.0
ncoding Capacity	All channel 5M-N (1fps–10 fps); 4M-N/1080P (1 fps–15 fps); 1080N/720P/960H/D1/CIF (1 fps–25/30 fps)	HDMI	1
ual-stream	Supported (D1/CIF (1 fps–15 fps)).	VGA	1
ideo Frame Rate	PAL: 1 fps–25 fps. NTSC: 1 fps–30 fps.	Network Port	1 (10/100/1000 Mbps
ideo Bit Rate	32 Kbps–6144 Kbps Per Channel	General	
udio Sampling	8 KHz, 16 bit Per Channel	Power Supply	DC12V, 2A
udio Bit Rate	64 Kbps Per Channel	Power Consumption	Lower than 12W
t Rate Type	Video stream and composite stream.	Net Weight	0.93 kg (2.05 lb)
deo Output	1 HDMI ,1 VGA VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Gross Weight	1.43 kg (3.16 lb)
	HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 When IP extension mode not enabled: 1/4/8/9/16	Product Dimensions	Compact 1U, 260.0 mi H) (10.24" × 9.11" × 1.
lulti-screen Display	When IP extension mode enabled: 1/4/8/9/16/25	Packaging Dimensions	333.0 mm × 89.0 mm 13.11" × 3.50" × 12.40
hird-party Camera ccess	Onvif, RTSP, Panasonic, Sony, Axis, Arecont, Pelco, Canon, Samsung	Operating Temperature	-10 °C to +45 °C (+14 °
Compression Standard		Operating Humidity	10%-90%
/ideo Compression	Al Coding/H.265+/H.265/H.264+/H.264	Installation	Desktop
udio Compression	G.711A/G.711u/PCM		CE: CE-LVD: EN 60950
Network		Certifications	CE-EMC: EN 61000-3-7 50130, EN 55024
Network Protocol	HTTP, HTTPS, TCP / IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P $$		FCC: Part 15 Subpart
Mobile Phone Access	iPhone, iPad, Android		
nteroperability	ONVIF 16.12, CGI Conformant		
Browser	Chrome, IE9 or above, Firefox		
Network Mode	Single-address mode		
Recording Playback			
	Manual, Schedule (General, Continuous), MD (Video		
Record Mode	detection: Motion Detection, Video Loss, Tampering), Alarm, Stop		
Record Mode Recording Playback	The state of the s		

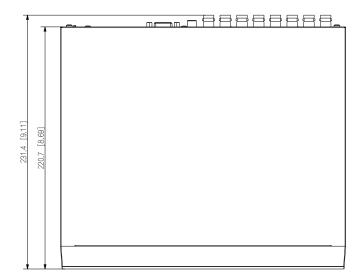
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback			
Alarm				
General Alarm	Motion detection, Video Loss, tampering			
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict			
Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email			
Ports				
Audio Input	1, RCA (external) 16, BNC (coaxial)			
Audio Output	1, RCA			
Two-way Talk	Yes (share the same audio input with the first channel)			
HDD Interface	1 SATA Port,up to 16TB for a single HDD, the maximum HDD capacity varies with environment temperature			
USB	2 USB Ports (2 USB 2.0)			
HDMI	1			
VGA	1			
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)			
General				
Power Supply	DC12V, 2A			
Power Consumption	Lower than 12W			
Net Weight	0.93 kg (2.05 lb)			
Gross Weight	1.43 kg (3.16 lb)			
Product Dimensions	Compact 1U, 260.0 mm × 231.4 mm × 47.6 mm (W × D × H) (10.24" × 9.11" × 1.87")			
Packaging Dimensions	333.0 mm × 89.0 mm × 315.0 mm (L × W × H) 13.11" × 3.50" × 12.40" (L× W × H)			
Operating Temperature	-10 °C to +45 °C (+14 °F to +113 °F)			
Operating Humidity	10%-90%			
Installation	Desktop			
Certifications	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			



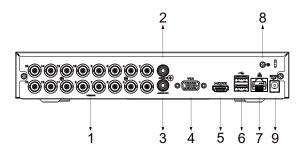
Ordering Information				
Туре	Model	Description		
16 Channels WizSense XVR	DH-XVR1B16H-I	Compact 1U DIGITAL VIDEO RECORDER		

Dimensions (mm[inch])





Panels



- 1 VIDEO IN 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector 4 VGA Port
- 5 HDMI Port 6 USB Ports
- 7 Network Port 8 Ground
- 9 Power Input