



DH-XVR5832S-I2

32 Channel Penta-brid 5M-N/1080P 2U 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.

System Overview

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, XVR5000-12 featuring full-channel SMD Plus (except for 32-channel devices) 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

Real Time Face Recognition

Video stream real time face recognition. Facial attributes analysis features including gender, age, expression, glasses, moustache, mouth mask. Identify people and also capture, record faces with metadata. Facial feature filtering while real time display, only show faces with target features.

*The Face Recognition is conflicted with SMD Plus and Perimeter Protection.

Perimeter Protection

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

SMD Plus

SMD Plus, referred to as Smart Motion Detection Plus, which is an upgrading version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and send alarms only when person and vehicle intrudes.

- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 32 channels IP camera inputs, each channel up to 8MP; Max 128 Mbps incoming bandwidth
- Up to 2 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



AI Coding

Compared with H.265, AI codec can reduce up to 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.

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. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

AI Search

Extract and classify person and vehicles from massive video data, easy for end users to trace historical information and analyze. Person & Vehicle optional for playback to achieve quick target search, saving event retrieval tme.







Audio Compression	Technical Specification		Record Interval	1 – 60 min (default: 60 min), Pre-record: 1 s–30 s, Post-	
Main Processor Embedded Processor Embedded INIUX Audio Bit Rate California Californi			Audio Compression		
Performance	Main Processor	Embedded Processor	·		
Performance 2 Advanceds, 10 9/5 for such channel Object classification (Internative Processing) (Interface 2 HDML 1964-100, 1280-100, 12	Operating System	Embedded LINUX	·		
Performance 2 channels, 10 NN for each channel Interface 2 HDML, 1 VGA, 1 TV	Perimeter Protection				
All Search Search by target classification Howard Ministration Howard Search by target classification Howard Search by target classification (Human, Vehicle) Howard Search Bear Human, Vehicle) Howard Search Bear Human, Vehicle Human	Performance	2 channels, 10 IVS for each channel		2 HDML 1 VGA 1 TV	
A Sourch Search by target classification Human, Verticle Human	Object classification		interrace		
Performance			Resolution		
Performance 2 channels, max 12 face pictures/sec processing OSD Camera Sille, Time, Video loss, Camera lock, Mollin detection, Pecciniting Similarity Winshold can be set through. Network		section by target elassification (framian, vehicle)	Multi-screen Display	1/4/8/9/16/25/36	
Defect strangers' fores (not in device's face database), smilarity threshold can be set manually.	_	2 channels may 12 face nictures/sec processing	OSD		
Similarity threshold can be set for each target face impass so threshold can be set for each target face impass so the same time, similarity threshold can be set for each target face impass in up to 10 face database with 10,000 face images in oten Name, pender birtheya, odross, certificate byto, certificate byto, entiticate certificate process of the part of the process of the part of th			Network	detection, Recording	
Database Management briefinded can be set for each target face image. Up to 10 face databases with 10,000 face images in total Management both Management bot	Stranger Mode	Similarity threshold can be set manually.		2 P.L //5 Ports /1000 Mhps)	
Up to 10 face disabases with 10,000 face images in total Aram, genetic Introval Address, certificate Vap. countries/Regions and state can be added to earlificate No., volve No. Performance No. Performanc	Al Search		interrace		
Batabase Application Each database can be applied to video channels independently. Smart Phone Phone, iPad, Android	Database Management	total. Name, gender, birthday, address, certificate type, cerificate No., countries®ions and state can be added	Network Function	UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search (Supports	
Trigger Events Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc. SMD Plus Video Detection and Alarm Video Detection and Alarm Video Detection and Alarm Trigger Events Bezer and Screen Tips Als Search Search by target classification (Human, Vehicle) Video and Audio Analog Camera Input 32 channels, BNC HDCVI Camera Input 5MP, 4MP 1080P@25/30/ps, 720P@50/60fps, 2DP3/25/30/ps AHD Camera Input 5MP, 4MP 1080P@25/30/ps, 720P@50/60fps, 2DP3/25/30/ps TVI Camera Input 5MP, 4MP 1080P@25/30, 720P@52/30fps Playback and Backup TVI Camera Input 5MP, 4MP 1080P@25/30, 720P@25/30fps Playback and Backup TVI Camera Input 5MP, 4MP 1080P@25/30, 720P@25/30fps Playback and Backup TVI Camera Input 5MP, 4MP 1080P@25/30, 720P@25/30fps Playback Infe/Date, Alarm, MD and Exact Search (accurate to second) PAL/NTSC IP Camera Input 32 channels, each channel up to BMP Audio In/Out 16/1, BNC Backup Mode US8 Device/Network Two-way Talk 1 Mic In, 1 Mic Out, BNC Two-way Talk 1 Mic In, 1 Mic Out, BNC Storage Internal HDD 8 SATA Ports, up to 10TB capacity for each disk Compression Al Coding/H. 265/H. 265/H. 264/H. 264 Record Rate Main stream: All channel SM- N (1fps-10fps); 4M-N/1080P, 1080N, 720P, 960H, D1, CIF Auxiliary Interface Main stream: All channel SM- N (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering). Alarm, Stop Power Supply Account of SMP Ac			Max. User Access	128 users	
SMD Plus Performance 16 channels Alsearch Search by target classification (Human, Vehicle) Video Detection and Alarm Video Detection and Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis Alsearch Search by target classification (Human, Vehicle) Video and Audio Analog Camera Input 32 channels, BNC Albert 1 SMP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@50/60fps, 720P@50/30fps Albert 2 Supply Suppl	Database Application		Smart Phone	iPhone, iPad, Android	
Performance 16 channels Trigger Events Buzzer and Screen Tips Al Search Search by target classification (Human, Vehicle) Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis Alarm input 16 Analog Camera Input 32 channels, BNC Analog Camera Input 75MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@50/60fps, 720P@50/30fps AHD Camera Input 5MP, 4MP, 1080P@25/30, 720P@25/30fps AHD Camera Input 5MP, 4MP, 1080P@25/30, 720P@25/30fps Playback and Backup AHD Camera Input 5MP, 4MP, 1080P@25/30, 720P@25/30fps Playback 1/4/9/16 TVI Camera Input 5MP, 4MP, 1080P@25/30, 720P@25/30fps Playback 1/4/9/16 Time /Date, Alarm, MD and Exact Search (socurate to second) 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 Audio In/Out 16/1, BNC Two-way Talk 1 Mic In, 1 Mic Out, BNC Storage Recording Al Coding/H.265+/H.265/H.264+/H.264 Resolution 5M-N, AM-N, 1080P, 1080N, 720P, 960H, DI, CIF Auxiliary Interface Main stream: All channel SM-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/ DI/CIF (1fps-25/30fps) Sub stream: DI/CIF (1fps-15fps); 1080N/720P/960H/ DI/CIF (1fps-25/	Trigger Events		Interoperability	ONVIF 16.12, CGI Conformant	
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Analog Camera Input BDCVI Camera Input BMP, 4MP, 1080P@25/30fps, 720P@25/30fps AHD Camera Input SMP, 4MP, 1080P@25/30fps AHD Camera Input SMP, 4MP, 1080P@25/30, 720P@25/30fps Playback I/4/9/16 Search Mode Search Mode Search Mode Search Mode Time /Date, Alarm, MD and Exact Search (accurate to second) Play Back 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 Audio In/Out 16/1, BNC Backup Mode USB Device/Network Storage Recording Compression AI Coding/H.265+/H.265+/H.264+/H.264 Resolution SM-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF AUXiliarry Interface Main stream: All channel SM-N (Ifps-10fps); 4M-N/1080P, 1080N, 720P, 960H, D1, CIF AUXiliarry Interface Walin stream: D1/CIF (Ifps-15fps); 1080N/720P/960H/D1/CIF (Ifps-15fps); 1080N/720	Video and Audio		Alarm input		
HDCVI Camera Input SMP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@50/30fps Playback and Backup Playback 1/4/9/16 TVI Camera Input SMP, 4MP, 1080P@25/30, 720P@25/30fps Search Mode Time / Date, Alarm, MD and Exact Search (accurate to second) CVBS Camera Input PAL/NTSC IP Camera Input 32 channels, each channel up to 8MP Audio In/Out 16/1, BNC Backup Mode USB Device/Network Two-way Talk 1 Mic In, 1 Mic Out, BNC Storage Recording Compression Al Coding/H.265+/H.265/H.264+/H.264 Resolution Main stream: All channel 5M-N (1fps-10fps); 4M-N-1080P (1fps-15fps); 1080N/720P/960H/ D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Playback and Backup Playback 1/4/9/16 Search Mode Time / Date, Alarm, MD and Exact Search (accurate to second) Playback Function Time / Date, Alarm, All Poate, Alarm, MD and Exact Search (accurate to second) Playback Function Search Mode Time / Date, Alarm, MD and Exact Search (accurate to second) Playback Function Search Mode Playback 1/4/9/16 Search Mode Playback 1/4/9/16 Search Mode Time / Date, Alarm, Stop Play, Slope, Playback Playback 1/4/9/16 Search Mode Backup Mode USB Device/Network USB Device/Network USB Device/Network USB Device/Network USB Ports, up to 10TB capacity for each disk esATA 1 Port Auxiliary Interface USB 4 USB Ports (2 USB 2.0, 2 USB 3.0) RS485 1 Port, for PTZ Control Electrical Power Supply AC100V-240V, 50/60Hz Power Consumption \$22W\$	Analog Camera Input	32 channels, BNC			
TVI Camera Input 5MP, 4MP, 1080P@25/30, 720P@25/30fps Search Mode Time /Date, Alarm, MD and Exact Search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Flie, Previous Flie, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom Audio In/Out 16/1, BNC Two-way Talk 1 Mic In, 1 Mic Out, BNC Recording Compression Al Coding/H.265+/H.265/H.264+/H.264 Resolution 5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF Auxiliary Interface Main stream: All channel SM-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Playback Function Flay Pause, Stop, Rewind, Fast play, Slow Play, Next Flie, Previous File, Next Camera, Previous Camera, Full Sackup Slow, Next Flie, Previous File, Next Camera, Previous Camera, Full Sackup Slow Play, Next Flie, Previous File, Next Camera, Previous Camera, Full Sackup Slow Play, Next Flie, Previous File, Next Camera, Previous Camera, Full Scarce, Plays, Slow Play, Next Flie, Previous File, Next Camera, Previous Camera, Full Scarce, Plays, Slow Play, Next Flie, Previous File, Next Camera, Previous Camera, Full Scarce, Plays Los Camera, Ful	HDCVI Camera Input		, ,		
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Compression Al Coding/H.265+/H.265/H.264+/H.264 eSATA 1 Port Resolution 5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF Auxiliary Interface Main stream: All channel 5M-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) RS485 1 Port, for PTZ Control Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Manual, Schedule (General, Continuous) Alarm, Stop More Consumption 422W	Two-way Talk	1 Mic In, 1 Mic Out, BNC	Storage		
Record Rate Main stream: All channel 5M-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Auxiliary Interface USB 4 USB Ports (2 USB 2.0, 2 USB 3.0) RS485 1 Port, for PTZ Control RS232 1 Port, for PC Communication & Keyboard Electrical Power Supply AC100V-240V, 50/60Hz	Recording		Internal HDD	8 SATA Ports, up to 10TB capacity for each disk	
Record Rate Main stream: All channel 5M-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/ D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Main stream: All channel 5M-N (1fps-10fps); USB 4 USB Ports (2 USB 2.0, 2 USB 3.0) RS485 1 Port, for PTZ Control RS232 1 Port, for PC Communication & Keyboard Electrical Power Supply AC100V-240V, 50/60Hz Power Consumption	Compression	Al Coding/H.265+/H.265/H.264+/H.264	eSATA	1 Port	
Record Rate 4M-N/1080P (1fps-15fps); 1080N/720P/960H/ D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Record Mode AC100V-240V, 50/60Hz Power Consumption	Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF	Auxiliary Interface		
Bit Rate D1/CIF (1fps-25/30fps) Sub stream: D1/CIF (1fps-15fps) Bit Rate 32 Kbps-6144 Kbps Per Channel Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop RS485 1 Port, for PTZ Control RS232 1 Port, for PC Communication & Keyboard Electrical Power Supply AC100V-240V, 50/60Hz Power Consumption	Record Rate	4M-N/1080P (1fps-15fps); 1080N/720P/960H/ D1/CIF (1fps-25/30fps)	USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)	
Record Mode Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Electrical Power Supply Power Consumption <22W			RS485	1 Port, for PTZ Control	
Record Mode detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Power Supply AC100V-240V, 50/60Hz Power Consumption <22W	Bit Rate		RS232	1 Port, for PC Communication & Keyboard	
Alarm, Stop Power Supply AC100V-240V, 50/60Hz Power Consumption <22W	Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering),	Electrical		
·			Power Supply	AC100V-240V, 50/60Hz	
			•	<22W	





Construction

Dimensions	2U, 440 mm × 463 mm × 95 mm (17.32" × 18.23" × 3.73")
Net Weight (without HDD)	6.9 kg (15.3 lb)
Gross Weight	9.5 kg (20.9 lb)
Installation	Desktop/racket mounted

Environmental

Operating Conditions	-10°C to +55°C (+14°F to +131°F), 0–90% RH
Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0-90% RH

Third-party Support

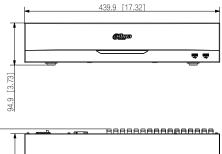
Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more

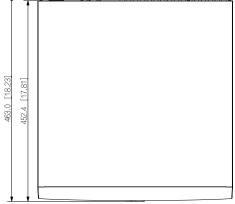
Certifications

	FCC: Part 15 Subpart B
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

Ordering Information Model Type Description 32 Channel DH-XVR5832S-I2 2U WizSense Digital Video Recorder WizSense XVR

Dimensions (mm[inch])





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Panels 10 12 2 4 6 9 11 13 16

1 Audio Out 2 Video Out 3 Mic In 4 Mic Out 5 Audio In 6 Video In 7 Alarm Input/Output 8 VGA Port 9 Network Ports 10 RS-232 Port 11 USB Ports 12 eSATA Port 13 HDMI Ports 14 Power Switch

16 Ground

15 Power Input

