

DHI-NVR608-32-4KS2

32 Channel Ultra 4K H.265 Network Video Recorder



- Intel Processor
- Max 32 IP Camera Inputs
- Max 384Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- Supports RAID 0/1/5/10
- Smart Tracking and Intelligent Video



System Overview

Dahua's next generation network video recorder offers unparalleled recording technology for IP video surveillance applications. For applications where details are critical for identification, this enterprise-level NVR provides a powerful Intel processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage.

This NVR is ideal for a wide range of applications such as public safety, transportation stations, government institutions, hotel resorts, shopping malls, city centers, and financial institutions, where demand expansion flexibility, high reliability and centralized storage management.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.4, enabling interoperability when combined with 4K cameras.

Functions

RAID 0/1/5/10

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features Fruitfull RAID 0/1/5/10 for faster and safer recording.

Fisheye Dewarping

The NVR features multiple fisheye dewarping modes to make viewing video easy whether its live or during playback.

N+M Hot Standby

The highly reliable redundancy N+M Hot Standby design provides a secure, failover technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Heat Map

The NVR's Heat Map option highlights the areas with the highest concentration of people. This information can then be exported into a customized report to assist in business or forensic analysis.

Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search Algorithm.

Smart Tracking

The auto tracking PTZ feature automatically tracks a moving target throughout the camera's field of view. This function is ideal for following an object as it moves through airports, parking lots, city centers, or other applications.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.



Ultra Series | DHI-NVR608-32-4KS2

Technical Specification

System			
Main Processor	Intel Dual-core Processor		
Operating System	Embedded LINUX		
Audio and Video			
IP Camera Input	32 Channel		
Two-way Talk	1 Channel Input, 1 Channel Output, RCA		
Display			
Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA		
Resolution	3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768		
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16		
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		
Recording			
Compression	H.265/H.264/MJPEG		
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P etc.		
Record Rate	384Mbps		
Bit Rate	16Kbps ~ 20Mbps Per Channel		
Record Mode	Manual, Schedule (Regular, MD (Motion Detection), Alarm, IVS), Holiday, Stop		
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec		
Video Detection and Ala	rm		
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering		
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface		
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface		
Tracking Trigger Event	Zoom, Tracking, Recording, Preset, Snapshot, Alarm, etc.		
Playback and Backup			
Playback	128 Mbps in Raid 5 Mode; 64 Mbps in single HDD Mode		
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate 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		
Backup Mode	USB Device/Network/eSATA Device		
Third-party Support			
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more		

Network						
Interface	2 RJ-45 Ports (10/100/1000Mbps)					
Ethernet Port	2 Ethernet Ports Joint Working or 2 Independent 1000Mbps Ethernet Ports					
PoE	N/A					
Network Function	HTTP, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.)					
Optical Fiber Interface	N/A					
Max. User Access	128 users					
Smart Phone	iPhone, iPad, Android					
Interoperability	ONVIF 2.4, CGI Conformant					
Storage						
Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD					
HDD Mode	Single, Raid 0/1/5/10(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare					
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)					
SAS	N/A					
Auxiliary Interface						
Front Cover	N/A					
USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)					
RS232	1 Port, for PC Communication and Keyboard					
RS485	1 Port, for PTZ Control					
Electrical						
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz					
Power Consumption	<20W (Without HDD)					
Environmental						
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa					
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH					
Construction						
Dimensions	2U, 440mm x 451.08mm x 94.85mm (17.3" x 17.8" x 3.7")					
Net Weight	9kg (19.8 lb) (without HDD)					
Gross Weight	10.5kg (23.1 lb)					
Installation	Rack-mounted					
Certifications						
CE	EN55022, EN55024, EN50130-4, EN60950-1					
FCC	Part 15 Subpart B, ANSI C63.4-2014					
UL	UL 60950-1 and CAN/CSA C22.2 No.60950-1					

Ultra Series | DHI-NVR608-32-4KS2

Ordering Information

-		
Туре	Part Number	Description
32 Channel NVR	DHI-NVR608-32- 4KS2	32 Channel Ultra 4K H.265 Network Video Recorder
Accessories	ESS1504C	4 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility)

Accessories



ESS1504C

Dimensions (mm)



3		_	
\sim			
08			
451.08			
2			
4			

Rev 001.001 © 2016 Dahua . All rights reserved. Design and specifications are subject to change without notice