

DHI-NVR724-256 256 Channel Ultra Network Video Recorder

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System Overview

Dahua's NVR724-256 is a high performance network video recorder with telecommunication level reliability and stability for IP video surveillance applications. For applications where details are critical for identification, this enterprise-level NVR provides a powerful Intel processor. 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.

Functions

RAID 0/1/5/10/50/60

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features Fruitfull RAID 0/1/5/10/50/60 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.

- Intel Processor
- Max 256 IP Camera Inputs
- Max 512Mbps Incoming Bandwidth
- 24 Hot-swap HDDs
- Supports RAID 0/1/5/10/50/60
- iSCSI and Mini SAS for Expanded Storage Space
- Smart Tracking and Intelligent Video



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.

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-NVR724-256

Technical Specification System Main Processor Intel Core i7 Processor Embedded LINUX **Operating System** Audio and Video **IP** Camera Input 256 Channel Two-way Talk 1 Channel Input, 1 Channel Output, RCA Display Interface 2 HDMI (Different Source), 1 VGA 1920 × 1080 , 1280 × 1024, Resolution 1280 × 720 , 1024 × 768 1st Screen: 1/4/8/9/16/25/36/64 Multi-screen Display 2nd Screen: 1/4/8/9/16 Camera title, Time, Video loss, Camera lock, OSD Motion detection, Recording Recording Compression H.264/MJPEG 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, Resolution 720P etc. **Record Rate** 512Mbps 16Kbps ~ 20Mbps Per Channel Bit Rate Manual, Schedule (Regular, MD (Motion Detection), Record Mode Alarm, IVS), Holiday, Stop 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 **Record Interval** sec, Post-record: 10 ~ 300 sec Video Detection and Alarm Recording, PTZ, Tour, Alarm Out, Video Push, Email, **Trigger Events** FTP, Snapshot, Buzzer and Screen Tips Motion Detection, MD Zones: 396 (22 × 18), Video Video Detection Loss and Tampering 4 Channel, Low Level Effective, Green Terminal Alarm input Interface 4 Channel, NO/NC Programmable, Green Terminal **Relay Output** Interface Zoom, Tracking, Recording, Preset, Snapshot, Alarm, Tracking Trigger Event etc. Playback and Backup 128 Mbps in Raid 5 Mode; Playback 64 Mbps in single HDD Mode Time /Date, Alarm, MD and Exact Search (accurate Search Mode to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, **Playback Function** Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Third-party Support Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek,

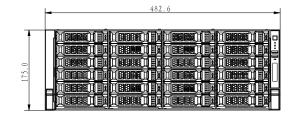
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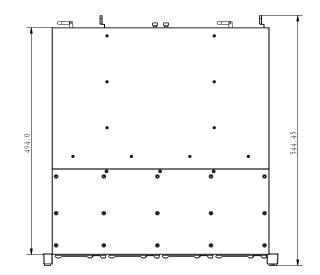
Network		
Interface	4 RJ-45 Ports (10/100/1000Mbps)	
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	
PoE	N/A	
Network Function	HTTP, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.)	
Optical Fiber Interface	2 Giga Optical Fiber Interface (optional)	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android	
Interoperability	ONVIF 2.4, CGI Conformant	
Storage		
Internal HDD	24 SATA III Ports, Up to 8 TB capacity for each HDD	
HDD Mode	Single, Raid 0/1/5/10/50/60(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare	
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)	
SAS	2 Mini SAS Port, for Storage Expansion	
Auxiliary Interface		
Front Cover	Support Hot-swap	
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	<200W (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	4U, 482.6mm x 544.45mm x 175mm (19" x 21.4" x 6.9")	
Net Weight	24.5kg (54.0 lb) (without HDD)	
Gross Weight	37.5kg (82.7 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	

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Ordering In	Information				
Туре	Part Number	Description			
256 Channel NVR	DHI-NVR724-256	256 Channel Ultra Network Video Recorder			
A	ESS3116S-J(R)	16 HDDs SAS Storage Cabinet			
Accessories	ESS3124S-J(R)	24 HDDs SAS Storage Cabinet			

Dimensions (mm)





Accessories



ESS3116S-J(R)

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