DH-NVR7A24DR-256

256 Channel Super Network Video Recorder

Features

- Max 256channel IP cameras connection
- Max 512Mbps incoming bandwidth
- Up to 128ch@1080P, 256ch@720Prealtime recording
- 2 HDMI / 1 HDMI +1 VGA ((Optional: 1 VGA+10 HDMI)
- Support 24 hot-swap HDDs
- Support RAID0/1/5/6/10/50/60
- Support N+Mhot standby
- Support iSCSI &Mini SAS to expand storage space
- Human-oriented Dahua UI
- Compatible with Dahua SDK and seamless integrated to other platforms
- Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videosec, Vivotek and etc.
- ONVIF Version 2.3 conformance
- Redundant power supply module adopted
- Front LCD display

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Technical Specifications

Model	DH-NVR7A24DR-256
System	
Main Processor	Intel® Core™ i7 Processors
Operating System	LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Memory	8GB DDR3(up to 16GB)
Case	Hot-dipped galvanized sheet steel(1.2mm thickened), High-precise aluminum alloy slide, Patented pull-out rack design
Fan	Dual ball screw bearing fan, MTBF>100,000h, support replacement during operation
Interface	Local GUI &WEB GUI
Video & Audio	
Input	128ch@1080P/256ch@720P
Transmission	128ch@1080P/256ch@720P
Recording	128ch@1080P/256ch@720P
Preview	20ch@1080P/40ch@720P/68ch@D1(Screen 1~2 , default) +16ch@1080P/16ch@720P/16ch@D1(Screen 3~6) (Optional)
Playback	16ch@1080P/16ch@720P/16ch@D1 (128Mbps in Raid 5 mode) 8ch@1080P/16ch@720P/16ch@D1 (64Mbps in single HDD mode)
Recording Resolution	8Mp, 5Mp, 3Mp, 1080P, 720P, 960H, D1, CIF, QCIF, VGA
Audio	1ch Micin, 1ch Mic out
Recording	
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Alarm Recording	Video loss, Camera blank, Motion detection, External alarm
Backup Mode	Network download / USB HDD/USB CD&DVD-RW / eSATA Device
Display	
Interface	2 HDMI+1 VGA (Optional: 10 HDMI, 1 VGA)
Video Output	2 HDMI/1 HDMI+1 VGA (Optional: 1 VGA+10 HDMI)
Multi-screen Display	The 1st screen: 1/4/8/9/16/25/36/64 The 2nd-6th screens: 4 (optional)
Privacy Masking	4 customized zones for privacy masking for each area
Storage	
Internal HDD	24 SATA ports, up to 96TB
HDD Mode	Single, Raid 0, Raid 1,Raid 5,Raid 6,Raid 10,Raid 50,Raid 60(Support global HDD Hot-standby)
HDD Installation	Independent HDD rack, support hot swap
Network	
Interface	4 RJ-45 ports(10/100/1000Mbps)
Ethernet Port	4 Ethernet ports joint working or 4 independent 1000Mbps Ethernet ports
MD & Alarm	

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Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)
Alarm Input	4ch, low level effective, green terminal interface
Relay Output	4ch, Relay contact(1A@24VDC), NO/NC programmable, green terminal interface
Auxiliary Interface	
Front cover	Support hot swap, 7" inch HD LCD (1920x1080/1280x1024/1024x768)
USB	4 USB ports(2 USB2.0 on front-panel, 2 USB3.0 on rear panel)
eSATA	1 eSATAport
SAS	2 Mini SASports
General	
Power Supply	AC100V~240V,47~63Hz, Redundant
Power Consumption	200W~400W(WithHDD)
Working Environment	0˚C~40˚C
Working Humidity	10%~80% (non-condensation)
Dimension(W×D×H)	4U, 480mm×494mm×175mm
Weight	29kg (without HDD)
Installation	Rack-mounted