

256 Channel Super Network Video Recorder

The absolute top of the line. Large, powerful, and 'in-charge', the NVR-8256DR is the pinnacle of High Definition video recording solutions. Due to the size of this device (19" wide, 4U high), the NVR8256DR is commonly rack mounted in most installations.

Boasting an impressive 24 HDDs, 4 Gigabit network interface cards, dual power supplies, and 2 HDMI outputs, the NVR8256 serves a critical focus as 'the core' of your surveillance backbone. Fully redundant HDDs (RAID compatible), and Fault Tolerant Network cards will help guarantee a constant 24/7/365 of uptime for your surveillance recorder. The NVR8256 supports 512 Mbps of recording and decoding throughput, meaning you can record 256 channels @ 720P or 128 @ 1080P. Typical NVR8256 deployments include: large offices, large businesses, banks, casinos, schools, government establishments, etc.

Beyond this, the NVR8256 comes standard with 2 HDMI outputs (1 primary display, with up to 64 camera view, and 1 secondary display), Alarm I/O's, and two-way talk, making it a fully featured Network Video Recorder.

This IC Realtime series recorder utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an x86 architecture (powered by an Intel® core i7 quad core processor), as well as a Linux operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search/Playback/Backup/Configuration) over standard Ethernet networks.

Main Features

- Max 256channel IP cameras connection
- Max 512Mbps incoming bandwidth
- Up to 128ch@1080P, 256ch@720P realtime recording
- 2 HDMI +1 VGA
- Support 24 hot-swap HDDs
- Support RAID0/1/5
- Support N+Mhot standby
- Support iSCSI & Mini SAS to expand storage space
- ONVIF Version 2.2
- Redundant power supply module adopted
- Front LCD display
- Support Encode Settings
 - 256 * 1.3MP (30FPS)
 - 128 * 2MP (30FPS)
 - 64 * 3MP (15FPS)
 - 48 * 5MP (12FPS)
 - 32 * 6MP (25FPS)
 - 32 * 12MP (15FPS)



Head Office

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Technical Specs

Model	NVR-8256 DR
System	
Main Processor	Intel® Core™ i7 Processors
Operating System	LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Memory	8GB DDR3
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 Mic in, 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: 6 HDMI, 1 VGA)
Video Output	2 HDMI/1 HDMI+1 VGA (Optional: 6 HDMI sync output/1 VGA+5 HDMI sync output)
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 (Support global HDD Hot-standby)
HDD Installation	Independent HDD rack, support hot swap
Network	
Interface	4 RJ-45 ports(10/100/1000Mbps)

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Ethernet Port	4 Ethernet ports joint working or 4 independent 1000Mbps Ethernet ports
MD & Alarm	
Motion Detection	Zones: 396(22x18), 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(WxDxH)	4U, 480mmx494mmx175mm
Weight	29kg (without HDD)
Installation	Rack-mounted

Third party IP camera supported

Click to see the complete list of models that have been tested and certified.



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