

# 256 Channel Super Network Video Recorder

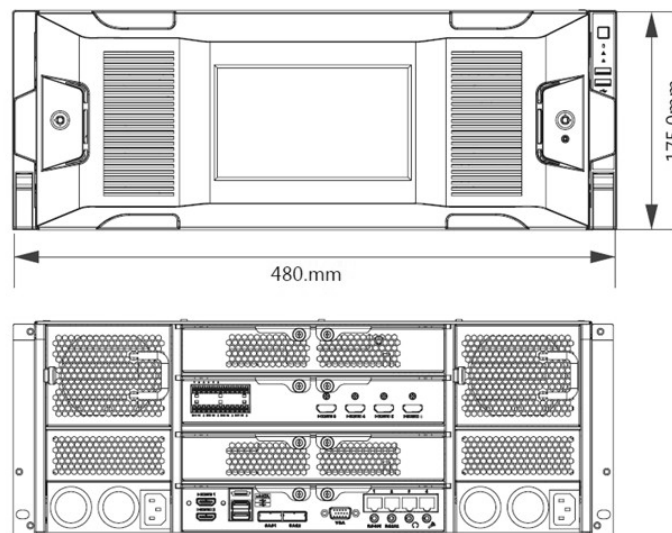
## NVR-24256R



### Features

- Max 256 channel IP cameras connection
- Max 512Mbps incoming bandwidth
- Up to 128ch@1080P, 256ch@720P realtime recording
- 2 HDMI / 1 HDMI +1 VGA (Optional: 6 HDMI sync output/ 1 VGA+5 HDMI sync output)
- Support 24 hot-swap HDDs, **with No Display**
- Support RAID 0/1/5
- Support N+M hot standby
- Support iSCSI & Mini SAS to expand storage space
- Human-oriented
- Compatible with Mxhelix SDK and seamless integrated to other platforms
- Support Multi-brand network cameras: Snappy, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony and etc.
- No Redundant power supply module adopted

### Dimensions



## Technical Specification

### 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)<br>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 : 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<br>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

|                  |   |
|------------------|---|
| 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 eSATA port  |
| SAS         | 2 Mini SAS ports  |

### General

|                     |                             |
|---------------------|-----------------------------|
| Power Supply        | AC 100V~240V, 47~63Hz       |
| Power Consumption   | 200W~400W (With HDD)        |
| 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                |

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