

## **8CH 2HDD 4K NVR with 8CH PoE**

**NVR-8480**

## **16CH 2HDD 4K NVR with 16CH PoE**

**NVR-164160**



### **Key Features**

- Up to 8-ch/16-ch IP cameras access
- Up to 160/288 Mbps incoming/outgoing bandwidth
- Up to 1-ch @ 12MP/4-ch @ 8MP/8-ch @ 4MP decoding capacity
- Up to 1-ch @ 12MP/4-ch @ 8MP/8-ch @ 4MP/16-ch @ 1080P decoding capacity
- Support face recognition and multi-objective recognition
- Supports some specialist cameras, including people counting camera, ANPR camera, fisheye camera, panoramic camera and thermal camera
- Support fisheye Dewarping and VCA alarm linkage
- Up to 8-ch/16-ch perimeter protection
- 2 × RJ45 1000M network interface, Plug & Play with 8/16 PoE interface
- Support 1 HDMI and 1 VGA interface

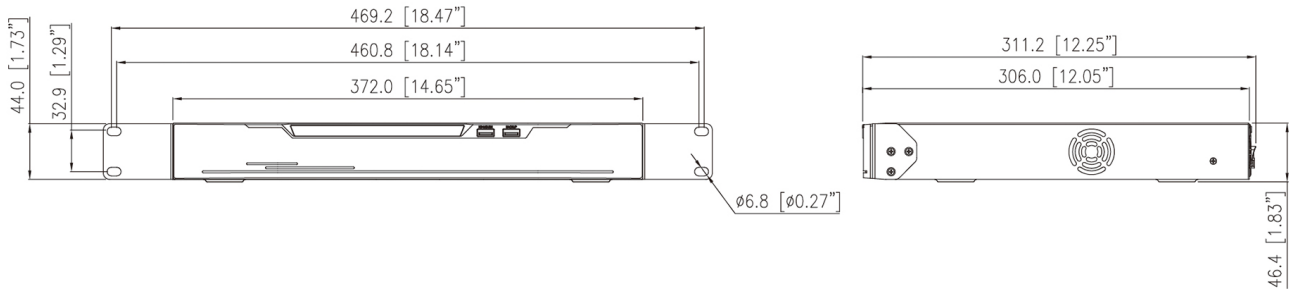


## Specifications

| Video & Audio                    |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Camera Input                  | 8 Channel / 16 Channel                                                                                                                                                                                                                                                                                                                                                                     |
| HDMI Output                      | 3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768                                                                                                                                                                                                                                                                                                                                          |
| VGA Output                       | 1920 × 1080, 1280 × 1024, 1024 × 768                                                                                                                                                                                                                                                                                                                                                       |
| Different Source Output          | Supported                                                                                                                                                                                                                                                                                                                                                                                  |
| Multi-screen Display             | Default Mode (Mirrored): 1/4/8/9/16<br>Auxiliary Screen Mode:<br>- Main Screen: 1/4/8<br>- Auxiliary Screen: 1/4/8                                                                                                                                                                                                                                                                         |
| Decoding Capacity                | 1ch @ 12MP, 4ch @ 4K, 8ch @ 4MP, 16ch @ 1080P<br>Enable Local Intelligence (Dynamic, 4+ Channels): 1ch @ 12MP, 4ch @ 4MP, 9ch @ 1080P, 16ch @ D1                                                                                                                                                                                                                                           |
| IVS                              |                                                                                                                                                                                                                                                                                                                                                                                            |
| Intelligent Analysis (By NVR)    | - Real-time face capture with stranger alarm and similarity comparison<br>- Real-time human, vehicle, and non-motor vehicle image capture and display<br>- Real-time license plate recognition with plate result display                                                                                                                                                                   |
| Intelligent Analysis (By Camera) | - Up to 8-ch / 16-ch intrusion detection with human/vehicle classification<br>Intrusion, smart motion, single line crossing, double line crossing, object left, object removed, signal bad loitering, multi-loitering, abnormal speed, wrong way, illegal parking, people counting, fence, enter area, leave area, smoking detection, smoke and flame detection, fire spot detection, etc. |
| Trigger Event Actions            | Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Speaker, Alarm out, Camera alarm out, Event recording                                                                                                                                                                                                                                                                           |
| Smart Search                     | Supported                                                                                                                                                                                                                                                                                                                                                                                  |
| Recording                        |                                                                                                                                                                                                                                                                                                                                                                                            |
| Recording Resolution             | 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.                                                                                                                                                                                                                                                                                                                                        |
| Recording Mode                   | Manual, Schedule (Regular, Continuous), Event                                                                                                                                                                                                                                                                                                                                              |
| Dual Stream                      | Supported                                                                                                                                                                                                                                                                                                                                                                                  |
| Audio Compression                | G.711A, G.711U, PCM                                                                                                                                                                                                                                                                                                                                                                        |
| Playback & Backup                |                                                                                                                                                                                                                                                                                                                                                                                            |
| Synchronous Playback             | 16/9/4/1                                                                                                                                                                                                                                                                                                                                                                                   |
| Search Mode                      | Time /Date, Alarm, Picture grid, Event                                                                                                                                                                                                                                                                                                                                                     |
| Playback Control                 | Play, pause, FF/REW, slow, digital zoom                                                                                                                                                                                                                                                                                                                                                    |
| Backup Mode                      | USB Device, Network, eSATA, NAS                                                                                                                                                                                                                                                                                                                                                            |
| Event                            |                                                                                                                                                                                                                                                                                                                                                                                            |
| General Event                    | Motion Detection, Video Loss, Alarm in, Abnormal alarm, Alarm out                                                                                                                                                                                                                                                                                                                          |
| Abnormal Alarm                   | Disk Alarm, IP Address Conflict, Network Disconnect                                                                                                                                                                                                                                                                                                                                        |

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Event Actions        | Buzzer, Push message to APP, Full screen, Email, FTP, PTZ, Alarm output, Recording                                                            |
| <b>Network</b>       |                                                                                                                                               |
| Incoming Bandwidth   | 160 Mbps (8CH)   288 Mbps (160 Mbps with AI enabled) (16CH)                                                                                   |
| Outgoing Bandwidth   | 160 Mbps (8CH)   288 Mbps (160 Mbps with AI enabled) (16CH)                                                                                   |
| Protocols            | HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, FTP, P2P, IP Address Filtering, DDNS, IEEE 802.1X, SNMP, 3G/4G, PPPoE |
| Remote Users         | Up to 8 users                                                                                                                                 |
| P2P                  | P2P, Web NAT                                                                                                                                  |
| Interoperability     | ONVIF, SDK, CGI                                                                                                                               |
| Security             | IP Address Filtering, User Access Log, IEEE 802.1X, TLS, Signed Firmware                                                                      |
| <b>Storage</b>       |                                                                                                                                               |
| HDD                  | 2 SATA interfaces                                                                                                                             |
| Capacity             | Up to 12 TB per disk                                                                                                                          |
| ANR                  | Supported                                                                                                                                     |
| Disk Group           | Supported                                                                                                                                     |
| <b>Interface</b>     |                                                                                                                                               |
| Network Interface    | 2 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet ports                                                                                      |
| PoE Interface        | 8 ports / 16 ports, 10/100Mbps, 802.3af/at, max 128W                                                                                          |
| eSATA                | 1 eSATA Interface                                                                                                                             |
| HDMI                 | 1                                                                                                                                             |
| VGA                  | 1                                                                                                                                             |
| Audio Interface      | 1 input, 1 output                                                                                                                             |
| Alarm Interface      | 6 inputs, 2 outputs                                                                                                                           |
| USB Interface        | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                             |
| RS-485               | 1                                                                                                                                             |
| Reset Button         | On-board reset button                                                                                                                         |
| <b>General</b>       |                                                                                                                                               |
| Power Supply         | 100 to 240VAC                                                                                                                                 |
| Power Consumption    | < 15 W (without HDD, PoE disabled)                                                                                                            |
| Operating Conditions | -10 °C to 50 °C (14 °F to 122 °F)                                                                                                             |
| Operating Humidity   | Less than 90% RH                                                                                                                              |
| Certifications       | CE/FCC/RCM                                                                                                                                    |
| Dimensions           | 372 × 311.2 × 46.4 mm (14.65 × 12.13 × 1.83 inch)                                                                                             |
| Net Weight           | 2.75 kg (6.06 lb) without HDD                                                                                                                 |

## Dimensions (mm)



### Rear Panel

#### 16 Channels



### Rear Panel

#### 8 Channels

