



EN-16POE-NS

16 Channel 16PoE 2U Lite Network Video Recorder



### Features:

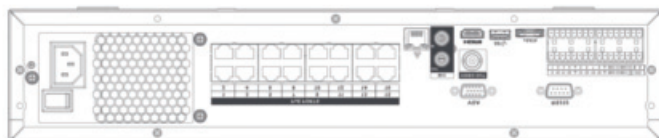
- H.264+/H.264 codec decoding
- Max 200Mbps Incoming Bandwidth
- Up to 5MP Resolution for Preview and Playback
- HDMI/VGA/TV simultaneous video output
- Max 240fps@1080p, 480fps@720p, 960ps@D1 Preview & Recording
- Support IPC UPnP, 16PoE ports
- Support ANR technology to enhance the storage reliability when the network break down
- Supported by eVMS-PRO (Enterprise Class VMS software)

# eVMS-PRO

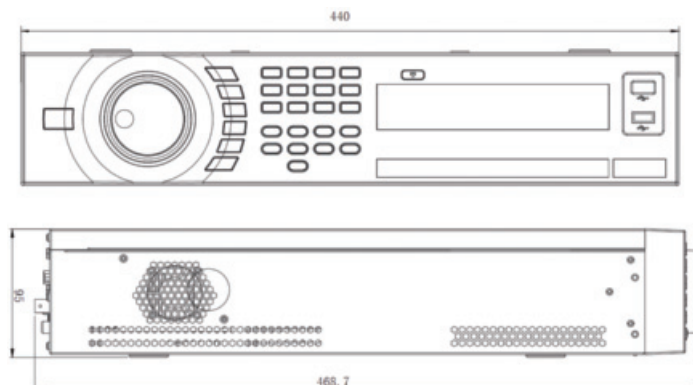
Enterprise Class VMS Solution



### Back panel



### Dimensions



iPhone



MAC OS Compatible

### PRODUCT OVERVIEW

16 Channel PoE network video recorder offers an excellent performance and high recording quality for IP video surveillance applications. For applications where details are critical for identification, this NVR's provides a powerful processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage and back up storage. Designed as a cost-effective, easy installation, this NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education and financial institutions.

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, enabling interoperability when combined with 4K cameras.

### SYSTEM FUNCTIONS

#### **Smart H.264+**

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

#### **Smart Add**

With the Smart Add function, the installation of IP system is as easy as an analog system, no matter the NVR with or without a PoE switch embedded. It should be noted that the NVR has to be in the same router as cameras.

#### **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.

#### **P2P**

You can monitor at anytime and anywhere with P2P. With this function, you can manage your devices more convenient.

| Model                            | EN-16POE-NS   |
|----------------------------------|---|
| <b>System</b>                    |   |
| Main Processor                   | Dual-core embedded processor  |
| Operating System                 | Embedded LINUX  |
| <b>Display</b>                   |   |
| Interface                        | 1 HDMI, 1 VGA, 1TV  |
| Resolution                       | 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768  |
| Multi-screen Display             | 1/4/8/9/16  |
| OSD                              | Camera title, Time, Video loss, Camera lock, Motion detection, Recording  |
| <b>Video Detection and Alarm</b> |   |
| Trigger Events                   | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips   |
| Video Detection                  | Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank  |
| Alarm input                      | 16 Channel, Low Level Effective, Green Terminal Interface   |
| Relay Output                     | 4 Channel, NO/NC Programmable, Green Terminal Interface   |
| <b>Playback and Backup</b>       |   |
| Sync Playback                    | 1/4/8/16  |
| Search Mode                      | Time/Date, Alarm, MD and Exact Search (accurate to second)  |
| Playback Function                | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode                      | USB Device/Network/Internal SATA burner/eSATA Device  |
| <b>Storage</b>                   |   |
| Internal HDD                     | 8 SATA III Ports, Up to 6 TB capacity for each HDD  |
| HDD Mode                         | Single  |
| eSATA                            | 1 eSATA Port  |
| <b>Auxiliary Interface</b>       |   |
| USB                              | 3 USB Ports (2 USB 2.0, 1 USB 3.0)  |
| RS232                            | 1 Port, for PC Communication and Keyboard   |
| RS485                            | 1 Port, for PTZ Control   |

| <b>Third-party Support</b> |   |
|----------------------------|---|
| Third-party Support        | Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, Arecont Vision, Axis, Bosch, Brickom, Canon, Dynacolor, Honeywell, Panasonic and more                             |
| <b>Audio and Video</b>     |   |
| IP Camera Input            | 16 Channel  |
| Two-way Talk               | 1 Channel Input, 1 Channel Output, RCA  |
| <b>Recording</b>           |   |
| Compression                | H.264+/H.264/MJPEG  |
| Resolution                 | 5MP / 4MP / 3MP / 1080P / 1.3MP / 720P etc.   |
| Record Rate                | 200Mbps   |
| Bit Rate                   | 16Kbps ~ 20Mbps Per Channel   |
| Record Mode                | Manual, Schedule (Regular, Continuous), MD, (Alarm), Stop   |
| Record Interval            | 1 ~ 120 min (default: 60 min),<br>Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec   |
| <b>Network</b>             |   |
| Interface                  | 1 RJ-45 Port (10/100/1000Mbps)  |
| Ethernet Port              | 1 Independent 1000Mbps Ethernet Port  |
| PoE                        | 16 ports (IEEE802.3af/at)   |
| Network Function           | HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support WatchNET IP camera, DVR, NVS, etc.) |
| Max. User Access           | 128 users   |
| Smart Phone                | iPhone, iPad, Android   |
| Interoperability           | ONVIF 2.4, CGI Conformant   |
| <b>Electric</b>            |   |
| Power Supply               | AC100V ~ 240V, 50 ~ 60 Hz   |
| Power Consumption          | <40W (Without HDD)  |
| <b>Environmental</b>       |   |
| 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   |
| <b>Construction</b>        |   |
| Dimensions(W×D×H)          | 2U, 440mm x 468.7mm x 95mm<br>(17.3" x 18.5" x 3.7")  |
| Net Weight                 | 7kg (15.4 lb) (without HDD)   |
| Gross Weight               | 9.5kg (20.94 lb)  |
| Installation               | Rack-mounted  |
| Certifications             | CE and FCC  |

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Rev Feb 23, 2018

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