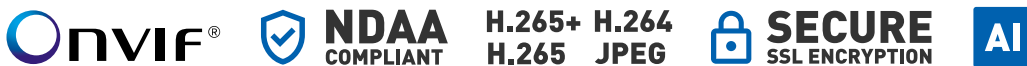


# Panasonic

## PM-EN16CH

### 16CH Network Video Recorder 16 PoE ports

The Panasonic network video recorder supports up to 16 input channels, ensuring high-definition recording on each channel through advanced SOC techniques. The recorder is equipped with 2 HDD interfaces for high storage capacity. This NVR supports 16-channel IP PoE inputs, allowing simultaneous playback on all 16 channels with 4K high-definition display capability. It meets diverse security requirements for homes, shops, and offices, ensuring customer safety.



### Key Features

- 16CH Network video recorder
- Bandwidth of Incoming/Outgoing 192Mbps
- Simultaneous playback of Max.16CH
- Intelligent Analytics

# Specifications

|                       |   |
|-----------------------|---|
| Type                  | 16CH Network video recorder   |
| OS                    | Embedded Linux  |
| <b>VIDEO</b>          |   |
| IP Video Input        | 16CH  |
| Network Bandwidth     | Incoming: 192Mbps<br>Outgoing: 192Mbps<br>When the AI function of the Camera is enabled the actual incoming bandwidth (max. bitrate) is more than the set value in the NVR.   |
| Resolution            | 16MP<br>8MP<br>6MP<br>5MP<br>4MP<br>3MP<br>1080P<br>1280×1024<br>960P<br>720P<br>960H<br>D1<br>CIF  |
| Output                | HDMI1:<br>3840×2160<br>1920×1080<br>1280×1024<br>1024×768<br>VGA×1:<br>1920×1080<br>1280×1024<br>1024×768   |
| Multi-screen Display  | Main output:1/4/6/8/9/13/16 (live view)<br>AUX output:1/4/6/8/9 (live view)<br>AI mode: max 16CH (HDMI and VGA output the same video source, AI by device, face comparison and picture comparison supported)<br>Non-AI mode (default mode): max 25CH (VGA can be set to output the same or different video source with HDMI)<br>AI by device, face comparison and picture comparison not supported) |
| Compression           | H.264<br>H.265<br>H.265+<br>H.265S  |
| <b>AUDIO</b>          |   |
| Network input         | 16CH Camera audio input   |
| Local Input           | RCA×1 (for two-way talk)  |
| Local Output          | RCA ×1  |
| HDMI Audio Output     | -   |
| Compression           | G.711(U/A)  |
| <b>RECORD</b>         |   |
| Resolution            | 16MP<br>12MP<br>8MP<br>6MP<br>5MP<br>4MP<br>3MP<br>1080P<br>1280×1024<br>960P<br>720P<br>960H<br>D1<br>CIF  |
| Frame Rate            | NTSC: 30fps<br>PAL: 25fps   |
| <b>PLAYBACK</b>       |   |
| Simultaneous Playback | Max.16CH  |
| Search                | Time Slice<br>Time<br>Event<br>Tag<br>Smart Search  |
| Function              | Play<br>Pause<br>FF<br>Rewind<br>Digital zoom<br>Previous frame<br>Next frame<br>etc.   |

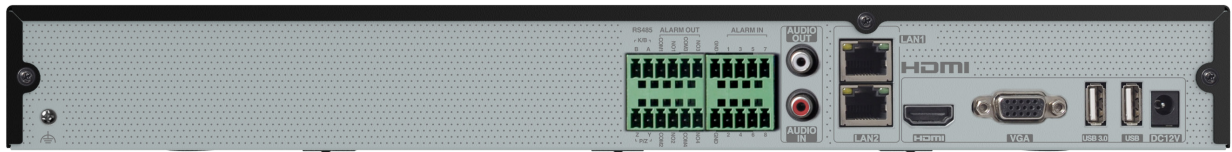
# Specifications

| DECODING  |   |
|---|---|
| Live View                                       | Non-AI Mode:<br>1x16MP@30fps<br>4x8MP@30fps<br>9x3MP@30fps<br>16x2MPP@30fps   |
| Playback  | AI Mode:<br>1x16MP@30fps<br>4x5MP@30fps<br>9x2MP@30fps<br>16x720p@30fps   |
| INTELLIGENT ANALYTICS                           |   |
| Face Detection Performance (AI by Camera)       | 16CH  |
| "Face Detection Performance (AI by NVR)"        | Picture comparison disabled: 2 CH(2MP) or 1CH (4MP)<br>Picture comparison enabled: 1CH(2MP) or 1CH (4MP)                                    |
| Face Match Performance                          | Picture comparison disabled: 6 CH<br>Picture comparison enabled: 3 CH   |
| Comparison Capability                           | 18 pictures / second  |
| Face Picture Database                           | 32 libraries<br>10000 Face Pictures   |
| Face Picture Search                             | Search by picture is supported  |
| Database Management                             | Add, modify, delete and search face picture   |
| Face Picture Adding                             | Add face pictures through APP, WEB and external import  |
| Face Picture Comparison                         | Support allow list, block list and stranger match alarm   |
| Track   | Track display on a map  |
| Statistical Graph of Information                | Bar graph   |
| Statistical Mode of Information                 | Statistics by day, week, month, quarter as well as customized time period   |
| PERIMETER PROTECTION                            |   |
| Human/Vehicle Classification (AI by Camera)     | 16CH  |
| Human/Vehicle Classification (AI by NVR)        | Picture comparison disabled: 2 CH(2MP) or 1CH (4MP)<br>Picture comparison enabled: 1CH(2MP) or 1CH (4MP)                                    |
| Human/Vehicle Attribute Analysis (AI by Camera) | Yes   |
| ALARM   |   |
| Mode  | Manual<br>Sensor<br>Motion<br>Exception<br>Smart events<br>etc.   |
| Input   | 8 CH local alarm input  |
| Output  | 4CH   |
| Triggering                                      | Record<br>Snapshot<br>Preset<br>E-mail<br>etc.  |
| OTHER FUNCTION                                  |   |
| Fisheye   | Supports fisheye dewarping via Web Client<br>Mobile APP   |
| Plate Recognition (AI by Camera)                | Yes   |
| NETWORK   |   |
| Interface                                       | RJ 45 1000 Mbps × 2   |
| Protocol  | TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, FTP, SMTP, HTTPs, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF |
| Client Connection                               | Max. 64 users access  |
| Mobile Device OS                                | Ios<br>Android  |
| PORT  |   |
| PoE Network Port                                | No  |
| SFP Interface                                   | No  |
| Storage Expansion                               | No  |
| STORAGE   |   |
| HDD Interface                                   | SATA × 2, max 10T for each HDD(HDD are not included)  |
| RAID Type                                       | -   |
| EXTERNAL INTERFACE                              |   |
| E-SATA Interface                                | -   |
| USB   | USB 3.0 × 1 ; USB 2.0 × 2   |
| RS485   | Yes (full-duplex)<br>connect to keyboard  |

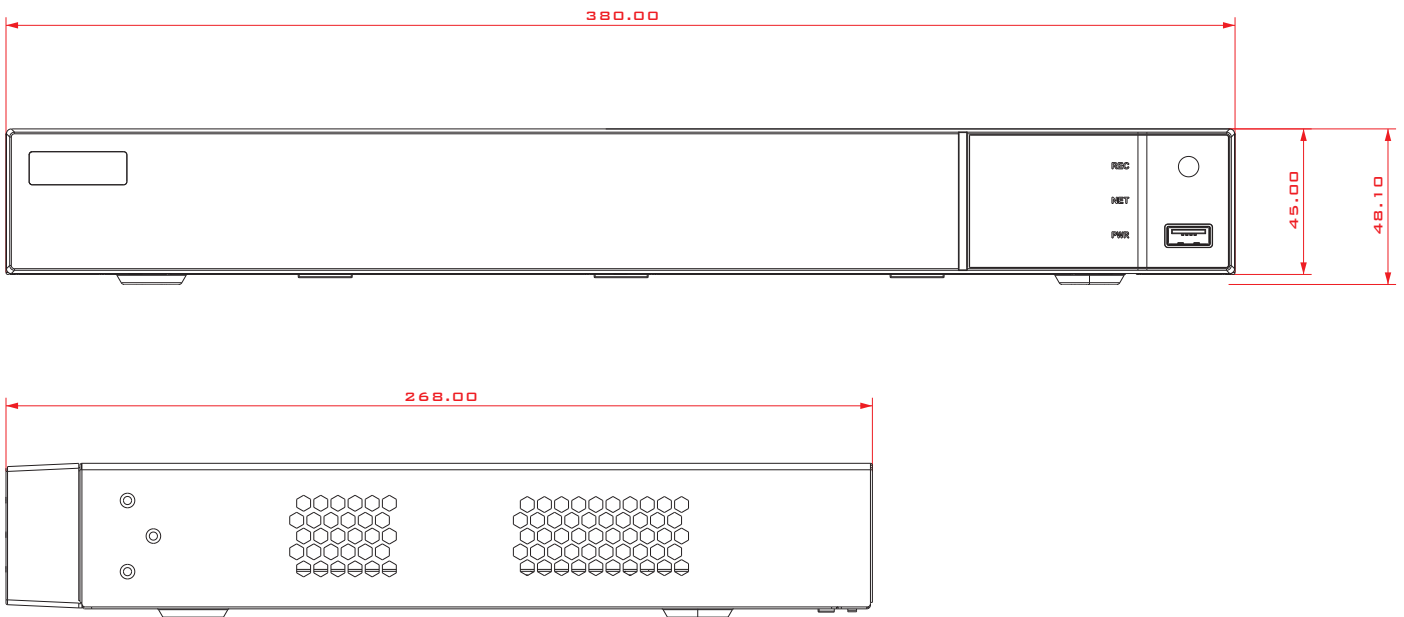
# Specifications

|                      |  |
|----------------------|--|
| RS232                | No   |
| 12V Output           | DC12V/4A   |
| Power Switch         | -  |
| <b>DECODING CARD</b> |  |
| HDMI Interface       | 1 HDMI output  |
| HDMI Output          | HDMI×1 : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768<br>VGA ×1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768<br>VGA can be set to output the same or different video source with HDM |
| HDMI Input           | -  |
| Multi-screen Display | Main output:1/4/6/8/9/13/16 (live view)<br>AUX output:1/4/6/8/9 (live view)  |
| Decoding Capability  | Non-AI Mode:1×16MP@30fps/4×8MP@30fps/9×3MP@30fps/16×2MP@30fps<br>AI Mode: 1×16MP@30fps/4×5MP@30fps/9×2MP@30fps/16×720P@30fps   |
| <b>OTHERS</b>        |  |
| Power                | DC12V/4A   |
| Consumption          | ≤20W (without HDD )  |
| Dimensions (mm)      | W = 380<br>D = 268<br>H = 48.1   |
| Weight               | 1.85KG   |
| Certificate          | EMC:EN 55032:2015+A11:2020<br>EN IEC 61000-3-2:2019+A1:2021<br>EN 61000-3-3:2013+A1:2019+A2:2021<br>EN 55035:2017+A11:2020<br>Safety: EN IEC 62368-1:2020+A11:2020<br>RoHS:2011/65/EU  |

## Rear Panel



## Appearance



### Disclaimer:

Panasonic accepts no responsibility or liability for the performance of the network, nor for any third-party products used in conjunction with this system. Product dimensions and masses are approximate. Specifications are subject to change without notice.