

Panasonic

PM-EN16CH

16CH Network Video Recorder

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 4 HDD interfaces for high storage capacity. This NVR supports 16-channel IP, 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.



NDAA
COMPLIANT

H.265+ **H.264**
H.265 **JPEG**



SECURE
SSL ENCRYPTION



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
VIDEO	
IP Video Input	16CH
Network Bandwidth	Incoming: 192Mbps Outgoing: 192Mbps 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 12MP 8MP 6MP 5MP 4MP 3MP 1080P 1280×1024 960P 720P 960H D1 CIF
Output	HDMI1: 3840×2160 1920×1080 1280×1024 1024×768 VGA×1: 1920×1080 1280×1024 1024×768
Multi-screen Display	Main output:1/4/6/8/9/13/16 (live view) AUX output:1/4/6/8/9 (live view) AI mode: max 16CH (HDMI and VGA output the same video source, AI by device, face comparison and picture comparison supported) Non-AI mode (default mode): max 25CH (VGA can be set to output the same or different video source with HDMI AI by device, face comparison and picture comparison not supported)
Compression	H.264 H.265 H.265+ H.265S
AUDIO	
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)
RECORD	
Resolution	16MP 12MP 8MP 6MP 5MP 4MP 3MP 1080P 1280×1024 960P 720P 960H D1 CIF
Frame Rate	NTSC: 30fps PAL: 25fps
PLAYBACK	
Simultaneous Playback	Max.16CH
Search	Time Slice Time Event Tag Smart Search
Function	Play Pause FF Rewind Digital zoom Previous frame Next frame etc.

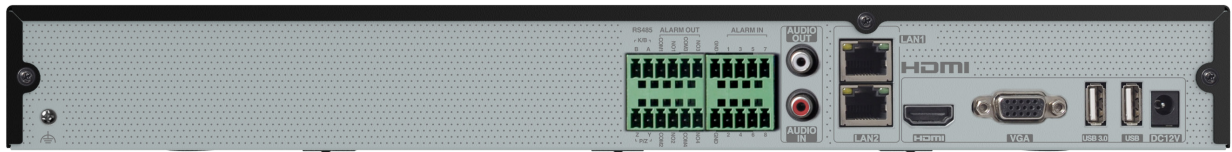
Specifications

DECODING	
Live View	Non-AI Mode: 1x16MP@30fps 4x8MP@30fps 9x3MP@30fps 16x2MPP@30fps
Playback	AI Mode: 1x16MP@30fps 4x5MP@30fps 9x2MP@30fps 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) Picture comparison enabled: 1CH(2MP) or 1CH (4MP)
Face Match Performance	Picture comparison disabled: 6 CH Picture comparison enabled: 3 CH
Comparison Capability	18 pictures / second
Face Picture Database	32 libraries 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) Picture comparison enabled: 1CH(2MP) or 1CH (4MP)
Human/Vehicle Attribute Analysis (AI by Camera)	Yes
ALARM	
Mode	Manual Sensor Motion Exception Smart events etc.
Input	8 CH local alarm input
Output	4CH
Triggering	Record Snapshot Preset E-mail etc.
OTHER FUNCTION	
Fisheye	Supports fisheye dewarping via Web Client 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 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) connect to keyboard

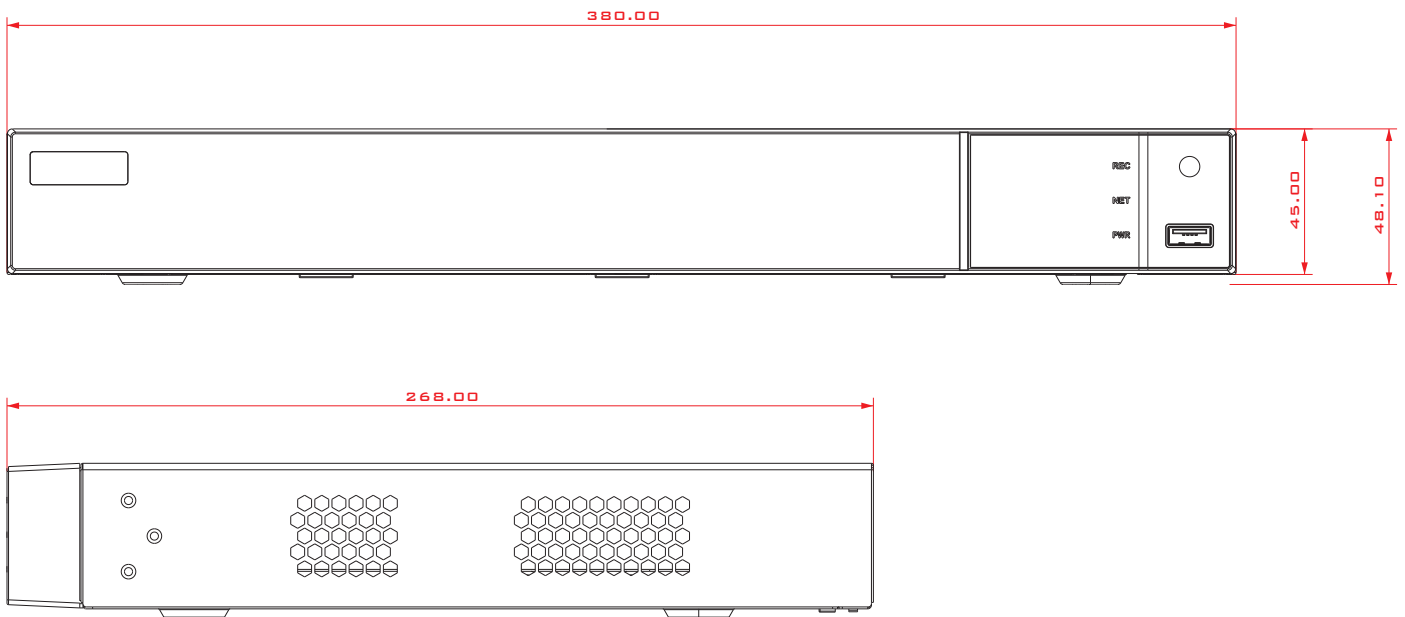
Specifications

RS232	No
12V Output	DC12V/4A
Power Switch	-
DECODING CARD	
HDMI Interface	1 HDMI output
HDMI Output	HDMI×1 : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA ×1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 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) 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 AI Mode: 1×16MP@30fps/4×5MP@30fps/9×2MP@30fps/16×720P@30fps
OTHERS	
Power	DC12V/4A
Consumption	≤20W (without HDD)
Dimensions (mm)	W = 380 D = 268 H = 48.1
Weight	1.85KG
Certificate	EMC:EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021 EN 55035:2017+A11:2020 Safety: EN IEC 62368-1:2020+A11:2020 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.