Panasonic

PM-VN16CH

16CH Network Video Recorder 16 PoE ports

The Panasonic PM-VN16CH network video recorder supports up to 16 IP input channels, delivering high-definition recording on each channel through advanced SOC technology. Equipped with 4 HDD interfaces, it offers generous storage capacity for continuous surveillance. With support for 16-channel IP PoE inputs and 4K playback, this NVR is ideal for small to medium-sized installations such as homes, retail shops, and offices—ensuring reliable security and peace of mind.



ONVIF® NDAA COMPLIANT H.265+ H.264 H.265 JPEG SECURE SSL ENCRYPTION AI

Key Features

- 16CH Network video recorder, 16 PoE ports
- Bandwith of Incoming/Outgoing 160Mbps
- Simultaneous playback of Max.16CH
- Inteligent Analytics

Specifications

Type	16CH Network video recorder, 16 PoE ports
OS	Embedded Linux
VIDEO	
IP Video Input	16CH
Network Bandwidth	Incoming: 160Mbps Outgoing: 160Mbps 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	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	-
Local Output	RCA ×1
HDMI Audio Output	-
Compression	G.711(U/A)
RECORD	
Resolution	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.
DECODING	
Live View	Non-AI Mode: 1×8MP@30fps 4×4MP@30fps 16×720P@30fps

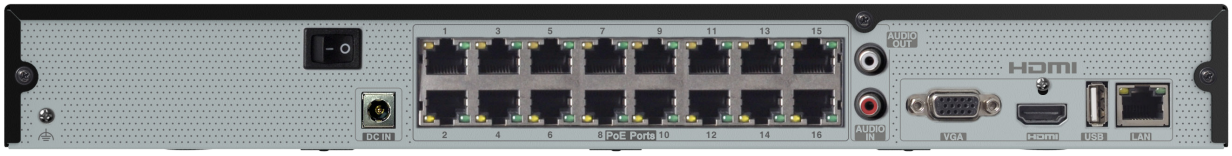
Specifications

Playback	AI Mode: 1×8MP@30fps 4×3MP@30fps 9×720P@30fps 16×D1@30fps
INTELLIGENT ANALYTICS	
Face Detection Performance (AI by Camera)	16CH
"Face Detection Performance (AI by NVR)"	2CH(2MP)
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 successful face recognition alarm 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)	2CH(2MP)
Human/Vehicle Attribute Analysis (AI by Camera)	Yes
ALARM	
Mode	Manual Sensor Motion Exception Smart events etc.
Input	Supports Camera alarm input
Output	Supports Camera alarm output
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 × 1
Protocol	TCP/IP, HTTP, HTTPS, 802.1, DHCP, DDNS, RTP, RTSP, RTCP, NTP UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP IGMP, ONVIF, etc.
Client Connection	Max. 64 users access
Mobile Device OS	Ios Android
PORT	
PoE Network Port	RJ 45 100Mbps×16
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	USB2.0×2
RS485	-
RS232	No
12V Output	DC48V/3.75A
Power Switch	Yes
DECODING CARD	
HDMI Interface	1 HDMI output

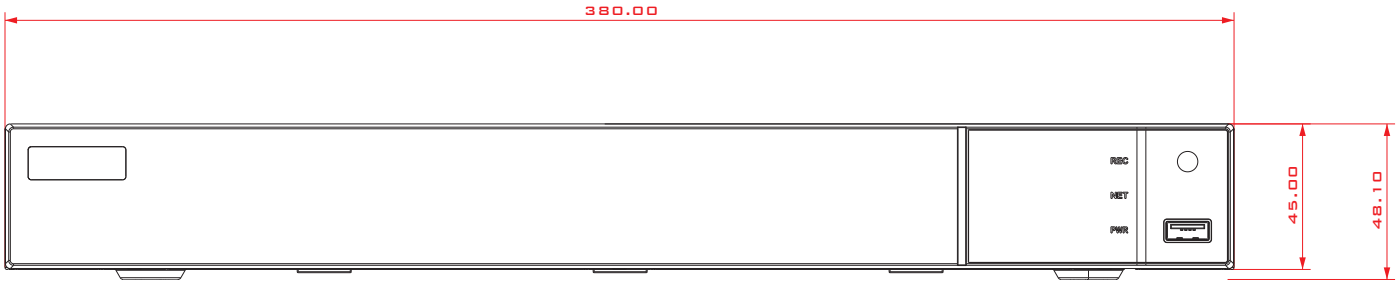
Specifications

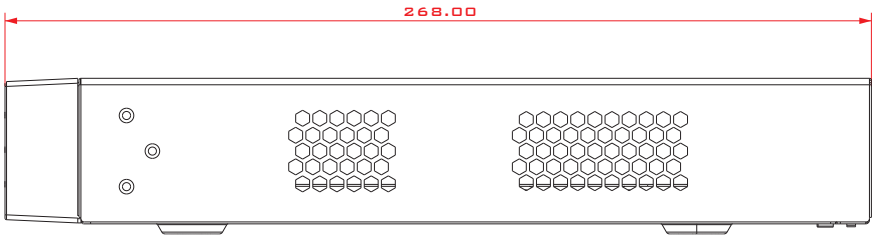
HDMI Output	HDMI : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA can be set to output the same or different video source with HDMI
HDMI Input	-
Multi-screen Display	Main output:1/4/6/8/9/13/16 (live view) AUX output:1/4/6/8/9 (live view)
Decoding 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	DC48V/3.75A
Consumption	≤10W (without HDD and PoE power supply)
Dimensions (mm)	W = 380 D = 268 H = 45
Weight	0.35KG
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.