Panasonic

PM-VN64CH

64CH Network Video Recorder

The Panasonic 64-Channel NVR is a high-performance, scalable video management solution tailored for large-scale surveillance systems. Supporting up to 64 high-definition IP camera inputs, it accommodates resolutions from 720p to 16MP, making it adaptable to diverse security needs. Powered by an advanced System on Chip (SoC) architecture, this NVR ensures stable, high -quality recording across all channels with superior reliability. It features simultaneous 16-channel playback and delivers crystal-clear 8K HD output for enhanced live monitoring and video review.



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

Key Features

- 64CH Network video recorder
- Bandwith of Incoming/Outgoing 640Mbps
- Simultaneous playback of Max.16CH
- Inteligent Analytics

Specifications

Type	64CH Network video recorder
OS	Embedded Linux
VIDEO	
IP Video Input	64CH
Network Bandwidth	Incoming: 640Mbps Outgoing: 640Mbps *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 1280x1024 960P 720P 960H D1 CIF
Output	HDMI1: 7680×4320@60 7680×4320@30 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 (When the resolution of HDMI1output is 8K) (HDMI2 is unavailable and the maximum resolution of HDMI3 output is 1920×1080) HDMI2: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI3: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI4: 1920×1080 1280×1024 1024×768 VGA×1: 1920×1080 1280×1024 1024×768 (VGA and HDMI1 output the same video source)
Multi-screen Display	Main output: 1/4/6/8/9/13/16/25/32/36/64 AUX output1: 1/4/6/8/9/13/16/25/32/36 AUX output2: 1/4/6/8/9/13/16 AUX output 3: 1/4/6/8/9/13/16 Max.132(64+36+16+16)
Compression	H.264 H.265 H.265+ H.265S
AUDIO	
Network input	64CH Camera audio input
Local Input	RCA×1 (for two-way talk)
Local Output	RCA×1
HDMI Audio Output	Support
Compression	G.711(U/A)
RECORD	
Resolution	16MP 12MP 8MP 6MP 5MP 4MP 3MP 1080P 1280x1024 960P 720P 960H D1 CIF
Frame Rate	NTSC: 30fps PAL: 25fps
PLAYBACK	
Simultaneous Playback	Max.16CH

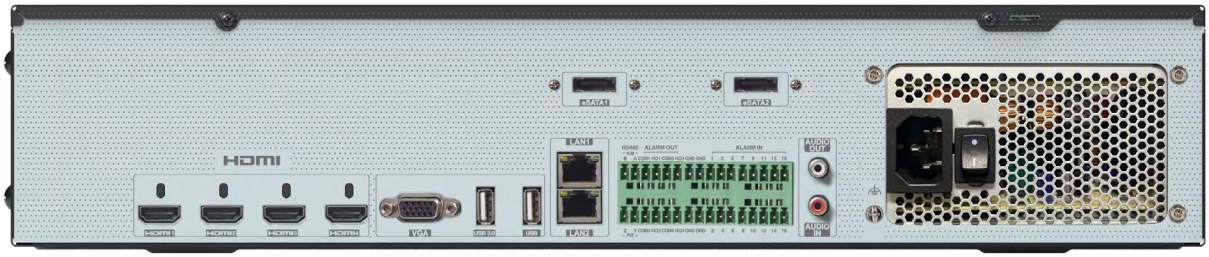
Specifications

Search	Time Slice Time Event Tag Smart Search
Function	Play Pause FF Rewind Digital zoom Previous frame Next frame etc.
DECODING	
Live View	1CH 16MP@30 4 CH 12MP(only available for main output)
Playback	1CH 16MP@30 4CH 8MP(only available for main output)
INTELLIGENT ANALYTICS	
Face Detection Performance (AI by Camera)	64CH
"Face Detection Performance (AI by NVR)"	4CH(4MP)
Face Match Performance	16CH
Comparison Capability	36 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 pictures
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)	64CH
Human/Vehicle Classification (AI by NVR)	8CH(2MP)
Human/Vehicle Attribute Analysis (AI by Camera)	Yes
ALARM	
Mode	Manual Sensor Motion Exception Smart events etc.
Input	16CH
Output	4CH
Triggering	Record Snapshot Preset E-mail etc.
OTHER FUNCTION	
Fisheye	Supports fisheye dewarping via NVR Web Client Mobile APP
Plate Recognition (AI by Camera)	Yes
NETWORK	
Interface	RJ 45 1000 Mbps × 2
Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP
Client Connection	Max.128 users access
Mobile Device OS	Ios Android
PORT	
PoE Network Port	No
SFP Interface	No
Storage Expansion	No
STORAGE	
HDD Interface	SATA×8 max16TB per HDD
RAID Type	RAID0,1,5,6,10

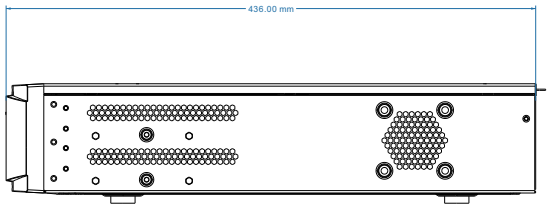
Specifications

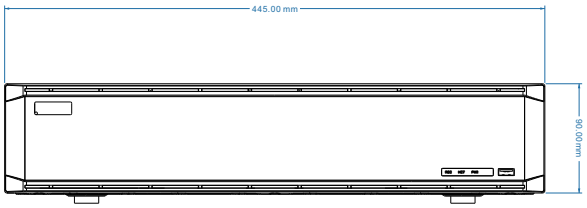
EXTERNAL INTERFACE	
E-SATA Interface	2
USB	USB3.0×1 USB2.0×2
RS485	Yes (full-duplex) connect to keyboard
RS232	No
12V Output	ATX-200W
Power Switch	Yes
DECODING CARD	
HDMI Interface	4 HDMI output
HDMI Output	HDMI1 7680×4320@60 7680×4320@30 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 (When the resolution of HDMI1output is 8K, HDMI2 is unavailable and the maximum resolution of HDMI3 output is 1920×1080) HDMI2: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI3: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI4: 1920×1080 1280×1024 1024×768 VGA×1: 1920×1080 1280×1024 1024×768 (VGA and HDMI1 output the same video source)
HDMI Input	-
Multi-screen Display	Main output 1/4/6/8/9/13/16/25/32/36/64 AUX output 1 1/4/6/8/9/13/16/25/32/36 AUX output2 1/4/6/8/9/13/16 AUX output 3 1/4/6/8/9/13/16 Max. 132(64+36+16+16)
Decoding Capability	Live View:1CH 16MP@30 / 4 CH 12MP(only available for main output) Playback :1CH 16MP@30 / 4CH 8MP(only available for main output)
OTHERS	
Power	ATX 200W
Consumption	⩽ 50W (without HDD)
Dimensions (mm)	W = 445 D = 436 H = 90
Weight	7.67KG
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

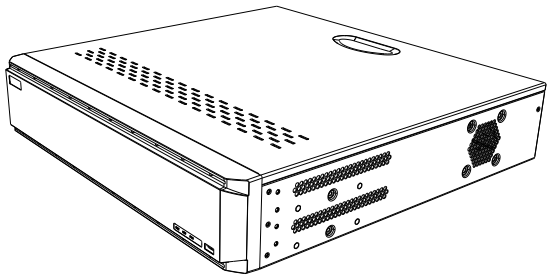
Rear Panel

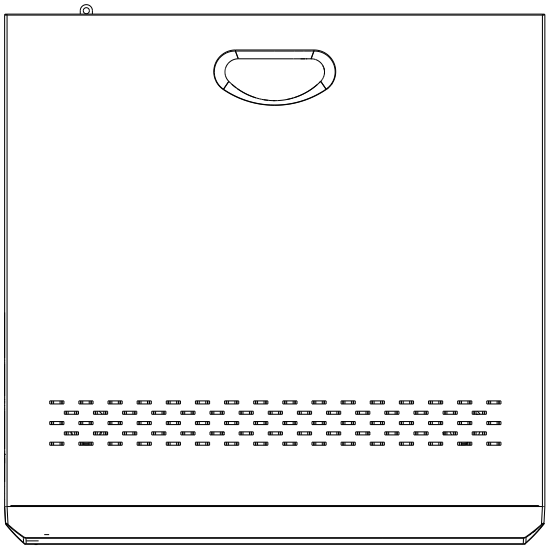


Appearance









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.