Panasonic

PM-PN128CH

128CH NVR Redundant PS

The Panasonic 128-Channel NVR is a high-performance, enterprise-grade video recording solution engineered for demanding surveillance environments. Supporting up to 128 high-definition IP camera inputs, it handles resolutions from 720p to 16MP, offering a flexible and scalable platform for large-scale deployments. Built on advanced System on Chip (SoC) architecture, the system ensures stable, high-quality recording across all channels with outstanding system reliability and performance. It supports simultaneous playback of up to 16 channels and delivers 8K Ultra HD display output.

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

Key Features

- 128CH NVR Redundant PS
- Bandwith of Incoming/Outgoing 768Mbps
- Simultaneous playback of 16CH
- Inteligent Analytics

Specifications

Type	128CH NVR Redundant PS
OS	Embedded Linux
VIDEO	
IP Video Input	128
Network Bandwidth	Incoming: 768Mbps Outgoing: 768Mbps *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) HDMI2: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI3: 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 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)
Compression	H.264 H.265 H.265+ H.265S
AUDIO	
Network input	128
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	16CH

Specifications

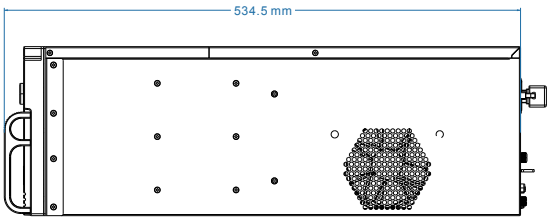
Search	Time Slice Time Event Tag Smart Search
Function	Play Pause FF Rewind Digital zoom Previous frame Next frame etc.
DECODING	
Live View	1× 16MP@30 4×12MP (only available for main output)
Playback	1× 16MP@30 4× 8MP(only available for main output)
INTELLIGENT ANALYTICS	
Face Detection Performance (AI by Camera)	128CH
"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 search face pictures
Face Picture Adding	Add face pictures through APP WEB and external import
Face Picture Comparison	Supports 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)	128CH
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	24CH
Output	8CH
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 × 4
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	SFP × 2
Storage Expansion	Mini SAS × 2 (currently no function)
STORAGE	
HDD Interface	SATA × 24 max 18TB per HDD
RAID Type	RAID0,1,5,6,10

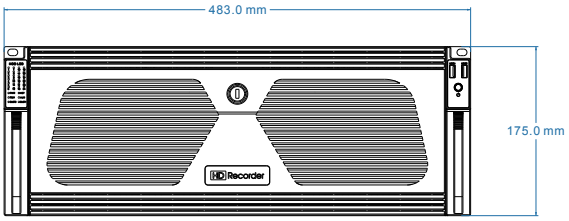
Specifications

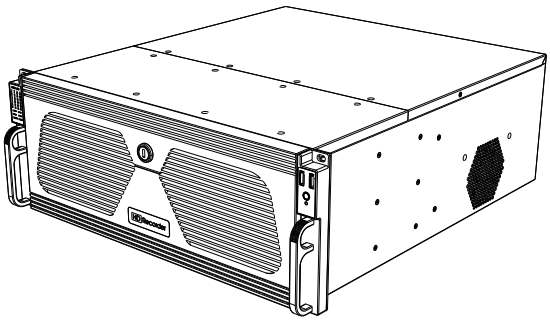
EXTERNAL INTERFACE	
E-SATA Interface	2
USB	USB3.0× 1 USB2.0 × 3
RS485	Yes (full-duplex) connect to keyboard
RS232	Yes
12V Output	Yes (1A)
Power Switch	Yes
DECODING CARD	
HDMI Interface	8 HDMI output 2 HDMI input
HDMI Output	HDMI1: 3840×2160@60 3840×2160@30 1920×1080 HDMI2: 3840×2160@60 3840×2160@30 1920×1080 HDMI3: 3840×2160@60 3840×2160@30 1920×1080 HDMI4: 1920×1080
HDMI Input	3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 (HDMI Input only can be output to the monitor connected to the HDMI output interface of the same decoding card)
Multi-screen Display	HDMI1/HDMI2/HDMI3/HDMI4 1/4/6/8/9/13/16/25/32/36 144(36+36+36+36)
Decoding Capability	32×1080P@30fps (1×16MP@30fps per HDMI output)
OTHERS	
Power	Single or redundant, AC100V / 240V
Consumption	≤ 50W (without HDD)
Dimensions (mm)	W = 483 D = 535 H = 175
Weight	16.35KG
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

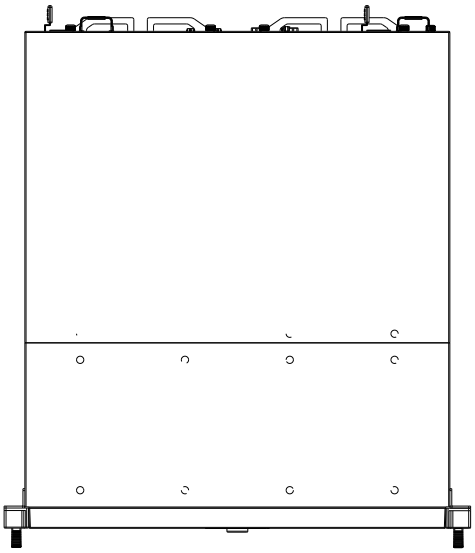
Rear Panel

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.