



PN3A-128FNH

128Ch NVR, 768Mbps, (2) NIC Cards, 16 HD Bays, Up to 16 Megapixel

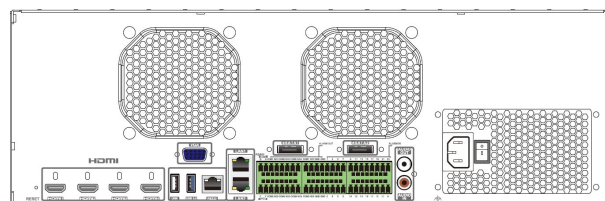
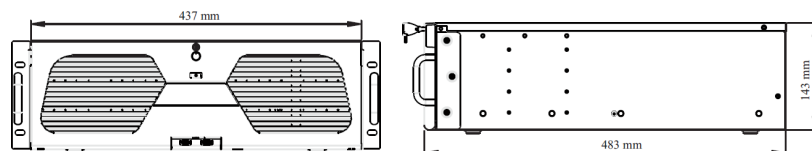
Features

- Up to 16 Megapixel Resolution Recording
- 768 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Outputs - 1 HDMI (8K/4K), 2 HDMI (4K)*, 1 HDMI (1080p), VGA (1080p)
- True Facial Recognition Capable with Compatible Camera: 6 Channels Total
- Smart Analytic Support/Including AI By ONVIF
- H.265S/ H.265+/ H.265/ H.264
- 16 Hard Drive Bays
- (2) NIC Cards: Connect Cameras via Switch Behind Closed Network
- Local Fisheye Dewarping Capabilities
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) to manage multiple units & sites from a single platform
- Free MAC client software to easily manage your system from your Apple computer
- NDAA Compliant

**If Using 8K on HDMI 1, HDMI 2 is Disabled*

Model	PN3A-128FNH
System	
OS	Embedded Linux
Video	
IP Video Input	128CH
Network Bandwidth	Incoming: 768Mbps Outgoing: 768Mbps
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 HDMI1 output is 8K, HDMI2 is unavailable) 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 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
Network input	128CH
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	N:30fps P:25fps
Playback	
Simultaneous Playback	16CH
Search	Time slice/time/event/tag/smart search
Function	Play, pause, FF, Rewind, digital zoom, previous frame, next frame, etc.
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)
Alarm	
Mode	Manual, sensor, motion, exception, smart events, etc.
Input	24CH
Output	8CH
Triggering	Record, snapshot, preset, e-mail, etc.
Face	
Face Detection Performance (AI by IPC)	128CH (PAR-P2FACE/NH-AI Models)
Face Detection Performance (AI by Device)	4CH (4MP)
Face Recognition Performance (for Non-True Face Rec Cameras)	16CH (Total Channels NVR can compute for facial recognition)
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	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 IPC)	Up to 128CH
Human/Vehicle Classification (AI by Device)	8CH (2MP)
Second Level Human/Vehicle Attribute Analysis	Yes
Other Functions	
Fisheye	Supports fisheye dewarping via NVR/Web Client/mobile APP
Plate Recognition (AI by IPC)	Up to 128CH
Network	
Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP
Interface	RJ45 10/100/1000Mbps ×2
Client Connection	Max. 128 users access
Mobile Device	
OS	iOS, Android
Storage	
HDD Interface	SATA×16, Max 18TB per HDD
RAID Type	RAID 0,1,5,6,10
E-SATA Interface	2 (Single Driver per. Max 18TB, Record Only)
Port	
USB	USB3.0×1 USB2.0 ×3(Front:2) (USB to HDD, Max 1TB)
RS485	Yes (full-duplex), connect to PTZ
RS232	Yes
Reset	Yes
Remote Controller	Included
Others	
Power	ATX-275W
Consumption	≤50W (without HDD)
Dimensions	17.2 x 19.01 x 5.63 in (437 ×483 ×143mm)
Certificate	CE,FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006)
Working Environment	14°F ~ 122°F (-10 °C ~ 50 °C), 10% ~ 90% humidity



Ordering Information
PN3A-128FNH: 128 Ch NVR