



PN3A-128F

128Ch NVR, 640Mbps, (2) NIC Cards, 16 HD Bays, 4K

Features

- Up to 12 Megapixel Resolution Recording
- 640 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Outputs - 1 HDMI (4K), 3 HDMI (1080P), VGA (1080p)
- True Facial Recognition Capable with Compatible Camera
- Smart Analytic Support
- H.265S/ H.265+/ H.265/ H.264
- 16 Hard Drive Bays
- Free Central Management Software (CMS)
- Free iOS & Android Apps for Smart Phones & Tablets
- Free MAC Client

Model	PN3A-128F
System	Embedded Linux
Video	
IP Video Input	128 CH
Incoming Bandwidth	640 Mbps
Outgoing Bandwidth	Display Priority: 128Mbps Network Priority: 640Mbps
IP Video Input Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x-1024/960P/720P/960H/D1/CIF
Output	HDMI1 : 3840 × 2160@60fps / 3840 × 2160@30fps/ 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI2: 1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI3: 1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI4: 1920 × 1080 / 1280 × 1024 / 1024 × 768
Main Multi-screen Display	1/4/6/8/9/13/16/25/32/36/64*
Dual Multi-Screen Display	Network Mode: HDMI2-32 HDMI3-16 HDMI4-16 Display Mode: HDMI2-32 HDMI3-32 HDMI4-32
Compression	H.265S/H.265+/H.265/H.264
Audio	
Network Input	128 CH IPC audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
HDMI Audio Output	Yes
Compression	G.711(U/A)
Record	
Record Stream	Dual stream recording
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ 1280x1024/960P/720P/960H/D1/CIF
Frame Rate	NTSC:30fps; PAL:25fps
Mode	Manual/timed/motion/sensor/POS/AI recording
Playback	
Simultaneous Playback	Max 16 CH
Search	Time slice / time / event / tag / smart search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Decoding Capability	
Live/ Playback	1CH 12MP/4CH 5MP/9CH 720P/16CH 720P, 16Ch+ @D1

Alarm	
Mode	Manual, sensor, motion, exception, smart events
Input	24 CH local alarm input; IPC alarm input supported
Output	8 CH
Triggering	Record, snap, preset, e-mail, etc.
Face	
Face Detection Performance (AI by IPC)	128CH
Face Detection Performance (AI by Device ONVIF)	4CH
Face Recognition Performance (for non-True Face Rec cameras)	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
External face picture enrollment	Resolution:128 x 128~1920 x1080 Size:≤ 70KB Format:jpg&jpeg
Face Picture Comparison	Support allow list, block list and stranger match alarm
Face Track	YES
Map of Face Track	Reolution:≤ 2560 x 1920 Size:≤ 512KB Format : jpg&jpeg
Statistic Graph of Face Information	Bar graph (Exportable)
Statistic Mode of Face Information	Statistics by day, week, month, quarter as well as customized time period
Other Functions	
Fisheye Support	Supports Local Monitor, Web Browser (IE or Plugin Pro Required) and Mobile App
Network	
Interface	RJ 45 10 / 100 / 1000 Mbps × 2
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, RTSP, ONVIF, etc
Client Connection	Max. 20 users access
Mobile Device	
OS	iOS, Android
Storage	
HDD	SATA × 16, max 18TB per HDD;
E-SATA	E-SATA × 1 (Max 18TB, Record only)
RAID Type	RAID0, 1, 5, 6, 10
Backup	
Local Backup	USB, USB to HDD
Network Backup	YES
External Interface	
USB	USB 2.0 × 2; USB3.0 × 1
Remote Controller	Included
RS 485	Yes (full-duplex), connect to PTZ
RS 232	Yes
Reset	Yes
Others	
Power Supply	ATX 300W
Consumption	≤ 50W (without HDD)
Dimensions (W×D×H)	17.2 x19 x 5.6 in (437 × 483 × 143 mm)
Working Environment	5°F ~ 122°F (-15 °C ~ 50 °C), 10% ~ 90% humidity
Certificate	CE, FCC
Environment Protection	Directive EU RoHS, WEEE(2012/19/EU), Directive 94/62/EC and REACH(EC1907/2006)

*If using only HDMI 1 you can have up to 64 channels.
Once HDMI2-4 are in use, HDMI 1 is limited to 32 channels max.

Ordering Information

PN3A-128F: 128 Ch NVR, 16 HD Bays