PN3A-16X16F

32 Ch NVR with 16 Plug & Play Ports, 192 Mbps, (2) NIC Cards, 4 HD Bays, 4K

- 16 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 12 Megapixel Resolution Recording (Non AI Mode)
- (2) NIC Cards: Connect Cameras 1-16 via PnP into unit. Connect cameras 17-32 via switch behind closed network.
- True Facial Recognition Capable with Compatible Camera
- 192 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Works with ONVIF or other supported IP cameras
- Outputs - 1 HDMI (4K), 1 HDMI (1080p), VGA (1080p)
- True P2P Connectivity with QR Code Connect
- Multiple video search options including Thumbnail Search for quick retrieval of footage.
- H.265S/H.265+/H.265/H.264 video compression
- 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

System	
OS	Embedded Linux
Video	
Compression	H.265S/H.265+/H.265/H.264
IP Video Input	32 Ch IPC Input
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Network Bandwidth	192Mbps/192Mbps (incoming/outgoing)
Output	HDMI1 : 3840×2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI2 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA ×1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA and HDMI1 output the same video source
Audio	
Network Input	32 Ch IPC Audio Input
2-Way Audio	RCA x 1
Local Output	RCA x 1
Compression	G.711(U/A)
Record	
Record Stream	Dual Stream Recording
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	NTSC: 30fps; PAL: 25fps
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
Function	Play, Pause, FF, FB, Digital Zoom, etc.
Decoding Capability	
Live View/ Playback	1CH 12MP/4CH 1080P
Multi-Screen Display Mode	

Mode	Dual Output Mode (Default): Supports dual HDMI. HDMI 1 Split Screen Option: 1/4/6/8/9/13/16/25/32, HDMI 2 Split Screen Option: 1 / 4 Supports up to 12MP resolution views, Live/Playback AI Mode: Supports single HDMI. HDMI 1 Split Screen Option: 1/4/6/8/9/13/16/24, HDMI 2: NOT AVAILABLE Supports up to 8MP resolution views, Live/Playback Supports AI Third-Party ONVIF Face Recognition, Human Vehicle Classification
Dual Output Mode	32CH (HDMI1) +4CH (HDMI2)
AI Mode	24CH (HDMI1)
Alarm	
Mode	Manual, sensor, motion, exception, smart events, etc.
Input	16 CH local alarm input
Output	4 CH
Triggering	Record, snap, preset, e-mail, etc.
Face	
Face Detection Performance (AI by IPC)	32CH
Face Detection Performance (AI by Device ONVIF)	2 CH (2MP Snapshots)
Face Match Performance Simultaneously	6 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 pictures
Face Picture Adding	Add face pictures through APP, WEB and external import
Face Picture Comparison	Support allow list, block list and stranger match alarm
Track	Track display on a map
Statistical Graph of Information	Bar graph
Video Structure Analysis	
Human/Vehicle Classification (By ONVIF)	Yes (2Ch Max)
Other Functions	
Fisheye Support	Web Browser (IE or Plugin Pro Required) and Mobile App
Plate Recognition	Yes
Network	
Interface	RJ 45 1000 Mbps × 2
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x, RTSP, SNMP, ONVIF
Client Connection	Max. 20 users access
PoE	
PoE Port	RJ 45 100Mbps × 16
Standard	IEEE802.3AF/AT
Output Power	≤ 150W
Mobile Device	
OS	iOS, Andriod
Storage	
HDD Interface	SATA × 4, max 18TB for each HDD
E-SATA Interface	E-SATA × 1 - Max Single Drive, up to 18TB, For recording only
Backup	
Local Backup	USB, USB To HDD (Max 1TB)
Network Backup	Yes
External Interface	
RS 485	Yes (full-duplex)
USB	USB 3.0 × 1 ; USB 2.0 × 2
Remote Controller	Included
Others	
Power Supply	ATX 300W(PoE)
Consumption	≤ 20W (without HDD and PoE power supply)
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE
Dimensions (W × D × H)	17.3 x 15.4 x 2.8 in (440 × 390 × 70 mm)
Working Environment	14°F ~ 122°F (-10°C ~ 50°C) 10% ~90% humidity

Ordering Information
PN3A-16X16F: 16 Ch, 16 PnP Ports