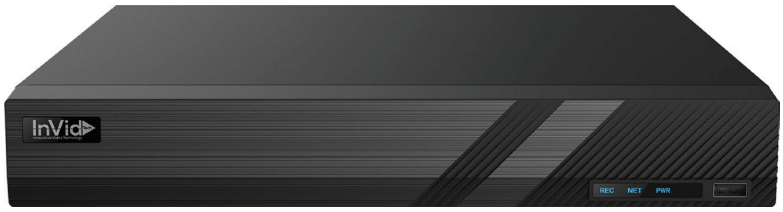
InVid Tech
Innovative Video Technology

PARAMONT SERIES



PN3A-8X8FNH2

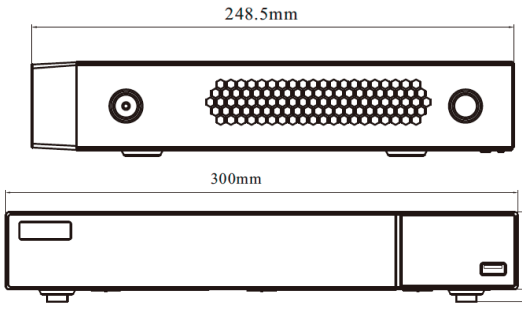
8 Ch NVR with 8 Plug & Play Ports, True Facial Recognition, 160 Mbps, 1 HD Bays, 4K, With ACCU-Search

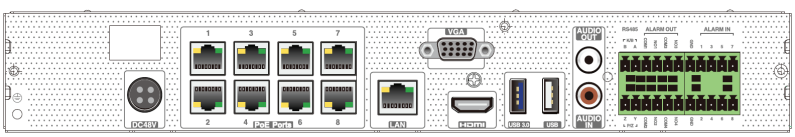
Features

- Supports ACCU-Search: Utilizes video metadata indexing to efficiently search for incidents
- 8 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 16 Megapixel Resolution Recording
- 160 Mbps Bit Rate Input
- Supports up to 8 channel simultaneous playback
- Supports Facial Recognition on up to 6 channels, or 3 channels when AccuSearch is enabled
- Works with ONVIF or other supported IP cameras
- Multiple video search options including Analytic and Thumbnail Search for quick retrieval of footage
- AccuSearch: One-click targeted search by matching appearance details across all recordings
- Local HDMI main monitor output with 4K Support
- Local VGA main monitor output up to 1080p (Can Be Independent)
- True P2P Connectivity with QR Code Connect
- Cloud Upgradeable
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant

Model	PN3A-8X8FNH2
System	
OS	Embedded Linux
Video	
Compression	H.265S/H.265+/H.265/H.264
IP Video Input	8CH IPC input
Resolution	16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Network Bandwidth	160Mbps/160Mbps (incoming/outgoing) *When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
Output	HDMI : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA can be set to output the same or different video source withHDMI
Multi-screen Display	Main output: 1/4/6/8/9 (live view) AUX output: 1/4/6/8/9 (live view) Max. 8+8 CH local live view
Audio	
Network Input	8 CH IPC audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Resolution	16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/ 960P/720P/960H/D1/CIF
Frame Rate	NTSC: 30fps; PAL: 25fps
Playback	
Simultaneous Playback	Max 8 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, ACCU-Search, etc.
Decoding Capability	
Live View/Playback	Non-AI Mode: 1×16MP@30fps/4×8MP@30fps/8×3MP@30fps AI Mode:1×16MP@30f-ps/4×6MP@30fps/8×3MP@30fps
Alarm	
Mode	Manual, sensor, motion, exception, smart events, etc.
Input	8 CH local alarm input
Output	4 CH
Triggering	Record, snap, preset, e-mail, etc.

Face	
Face Detection Performance (AI by IPC)	8 CH (PAR-P2FACE, PAR-P4FACE, PAR-P8FACE/NH-AI Models)
Face Detection Performance (AI by Device ONVIF)	Picture comparison/ ACCU-Search disabled: 2 CH(2MP) or 1CH (4MP) Picture comparison/ ACCU-Search enabled: 1CH(2MP) or 1CH (4MP)
Face Recognition Performance	Picture comparison/ACCU-Search disabled: 6 CH Picture comparison/ACCU-Search enabled: 3CH
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	Supports allow list, block list 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)	8CH
Human/Vehicle Classification (AI by Device)	Picture comparison/ ACCU-Search disabled: 2 CH(2MP) or 1CH (4MP) Picture comparison/ ACCU-Search enabled: 1CH(2MP) or 1CH (4MP)
Video Metadata	
Human/Vehicle Attribute Analysis (AI by IPC)	Yes
ACCU-Search	Video Metadata enable= attribute ACCU-Searchincluding posture, height, behaviors etc
Face Detection enabled	Face specific ACCU-Search Not specifically as accurate as facial recognition but will be looking for those faces detected (based on clarity of snapped photo), not attributes
Other Functions	
Fisheye	Supports fisheye dewarping via NVR/Web Client/mobile APP
Plate Recognition (AI by IPC)	Yes
PoE	
PoE Port	RJ 45 100Mbps × 8
Standard	IEEE802.3AF/AT
Output Power	≤ 96W
Network	
Interface	RJ 45 1000 Mbps × 1
Protocol	TCP / IP, HTTP, HTTPs, 802.1X, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP
Client Connection	Max. 64 users access
Mobile Device	
OS	iOS, Andriod (Paramont CMS App)
Storage	
HDD Interface	SATA × 1, max 26TB
Backup	
Local Backup	USB, USB To HDD (Max 1 TB)
Network Backup	Yes
External Interface	
RS 485	Yes (full-duplex), connect to PTZ
USB	USB 3.0 × 1 ; USB 2.0 × 2
Remote Controller	Included
Others	
Power Supply	DC48V/2.5A
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)	11.8 x 9.8 x 1.8 in (300 × 249 × 45 mm)
Working Environment	14°F ~ 122°F (-10°C ~ 50°C) 10% ~ 90% humidity





Ordering Information

PN3A-8X8FNH2: 8 Ch NVR with 8 Plug & Play Ports

InVid Tech, reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.