PROVISION ISR
PROTECTING YOUR PRIVACY

NVR8-4100PN-V2-VN

4CH 8MP PoE NVR with alarms, and NDAA compliance

Provision-ISR's NVR8-4100PN-V2-VN offers a seamless solution tailored for mid-sized installations (up to 4 channels). Integrated with the Check Point Quantum IoT Nano agent, it ensures advanced threat prevention in real-time and safeguards against common attack vectors. With 4 PoE ports and compliance with NDAA requirements, this device provides all the essential features for a hassle-free CCTV project.

4 CH

CHECK POINT EMBEDDED

8 MP

MADE IN VIETNAM

HDMI Video Outputs | VGA Video Outputs | 4K Resolution | Audio IN | Audio OUT

1 HDD | DDA VIDEO ANALYTICS Analytics | AI ENGINE Analytics | PoE | x1 Ethernet

P2P

NDAA | face detection | POWER OVER ETHERNET | AI ENGINE

MAIN FEATURES

Video:
- Input: 4 Channel Support
- 4 Channel PoE / Standard Network Connection (Via 4 x RJ-45 / Network)
- Output: HDMI (4K, 1080P), VGA (1080P, 1280×1024, 1024×768)

Bandwidth:
- Incoming: 80Mbps
- Outgoing: 80Mbps

Decoding Support:
- H.265S/H.265+/H.265/H264

Analytics:
- Camera Tampering, DDA2 With Object Classification, Line Crossing (DDA / Pixel Based), Sterile Area (DDA / Pixel Based), Object Monitoring, Loitering Detection, Illegal Parking, Audio Exception, Heat Map, Object Counting (Line),Object Counting (Area), Smart Search, Face Detection, LPR, Thermal, Crowd Gathering, People Intrusion

Recording:
- 4CH 8MP Real-Time
- FPS: 100 (PAL) / 120 (NTSC)

Playback:
- Local: 4Ch Simultaneously
- Remote: 4Ch Simultaneously

Audio:
- Input: 1CH + IPC Inputs
- Output: 1CH + IPC Output
- 2 Way Audio

Alarm:
- Input: Based on IPC only
- Output: Based on IPC only

Storage:
- 1 x SATA (Up to 10TB each)

USB Port:
- 2 USB 2.0 Port

Network:
- 1 x RJ-45: 10/100/1000Mbps Each

Remarks:
- The following features are based on firmware v1.4.13_87497_RD260424 and are subject to firmware version changes.

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SPECIFICATIONS

3rd Party Cyber Protection	
General	Quantum IoT Nano agent by Check Point™
Protection Methods	Shell injection protection, File Monitor, Import-Table Protection, Dynamic-Memory Protection

NDAA Compliant	
NDAA Compliant	Yes

Video	
Video Input	4Ch over Network
Output	HDMI (4K, 1080P), VGA (1080P, 1280x1024, 1024x768)
View Mode	Mirrored
Fish-Eye Dewarp	VMS + Web Only (1 at a time)
Decoding Format	H.265 / H.265+ / H.265S / H.264
Decoding Capabilities	1Ch – 8MP ; 4Ch – 2MP

Audio	
Audio-specs-Input	1CH RCA (Linear, 1kΩ) + IPC inputs
audio-specs-Output	1CH RCA (2.0 Vp-p, 1 kΩ) + IPC outputs IP Speaker
Compression	G.711A/G.711U
Two Way Audio	Yes

Record/ Main Stream	
Real-Time Recording	4CH 8MP Real-Time
Record Type	Video / Video + Audio
Recording Modes	Schedule, Manual, Motion, Sensor, Analytics, POS and all of the combinations
16MP	N/A
12MP	N/A
8MP	120FPS(NTSC)/100FPS(PAL)

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5MP and lower	120FPS(NTSC)/100FPS(PAL)
Master stream over network	Up to 4CH@Recording Resolution

Analytics	
Supported Analytics	Camera Tampering, DDA2 With Object Classification, Line Crossing (DDA / Pixel Based), Sterile Area (DDA / Pixel Based), Object Monitoring, Loitering Detection, Illegal Parking, Audio Exception, Heat Map, Object Counting (Line),Object Counting (Area), Smart Search, Face Detection, LPR, Thermal, Crowd Gathering, People Intrusion
Analytics Channels (IPC Based)	4Ch (Requires supporting IPC)
Analytic Channels (NVR Based)	Up to 2Ch DDA1 (Sterile Area/Line Crossing) or Up to 2Ch Face Detection (or their combinations) Supported Resolution: 1MP – 4K
Face Recognition Rate	N/A

Bandwidth	
Incoming	80Mbps
Outgoing	80Mbps

Substream	
Resolution substream	Depends on IPC

Remote view	
Max Channel View	20Ch (Limited to Outgoing Bandwidth Capacity)

Remote Applications	
User Access	64 Users online with Professional Authority Management
Mobile App	Provision Cam2 for iOS/Android
PC/Mac Software	Ossia VMS Standard / Enterprise
Plug-in free Web-Browser	Chrome, FireFox, Safari, Edge, Opera. (All Limited to 4Ch Live View / Playback) *P2P WEB connetion always requires Plugin
Plug-in based Web-Browser	Internet Explorer

Playback	
Local	4Ch
Remote	4Ch

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Search Mode	DDA Object, Smart Search, LPR, Time-Slice, Time, Event, POS
Backup	
USB	2 USB 2.0 Port
Backup Format	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)
Alarm	
Alarm-in	Based on IPC only
Alarm-out	Based on IPC only
Storage	
HDD	1
HDD Max Capacity	10TB
E-Sata Support	No
Total HDD Max Capacity	10TB
RAID	N/A
PTZ	
Connection	Via Network
Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
RS-485	N/A
Network	
Ethernet	1000/100/10Mbps self-adaptive Ethernet interface
Protocols	TCP/IPv4/IPv6, DHCP, DDNS, NTP, SMTP, SSL/TLS, UPnP, P2P, RTSP, FTP, HTTPS, 820.1X, SNMP, Auto Report Input + Output (Ossia VMS)
ONVIF	Full Device Support (Profile T/S/G, ONVIF Version 20.12)
PoE	
PoE Ports	4xRJ45

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Speed	10/100Mbps (10Mbps under CCTV Mode)
Standard	PoE (IEEE802.3AF/AT)
CCTV Mode	Yes (Up to 200m and 10Mbps bandwidth)
Total Power	48W (Average 12W per Channel)
Max. Power Output (Per Ch.)	~25.5W

Others	
Power Supply	DC 48V/1.36A
Power consumption (No HDD)	10W
Dimension	W300xD249xH45mm
Operation Temperature	0°C~50°C

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DIMENSIONS