

# NVR8-4100PN-V2

## 8MP 4CH PoE NVR embedded with check point protection, and NDAA compliance

Provision-ISR's NVR8-4100PN-V2 offers a seamless solution tailored for mid-sized installations (up to 8 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

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POINT  
EMBEDDED**

8  
MP



## 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, 1280x1024, 1024x768)

### 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, Object Counting (DDA), Crowd Gathering, People Intrusion, Smart Search, LPR, Thermal

### 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 v1.4.10 and are subject to firmware version changes.



## SPECIFICATIONS

3rd Party Cyber Protection	
<b>General</b>	Quantum IoT Nano agent by Check Point™
<b>Protection Methods</b>	Shell injection protection, File Monitor, Import-Table Protection, Dynamic-Memory Protection
NDAA Compliant	
<b>NDAA Compliant</b>	Yes
Video	
<b>Video Input</b>	4Ch over Network
<b>Output</b>	HDMI (4K, 1080P), VGA (1080P, 1280x1024, 1024x768)
<b>View Mode</b>	Mirrored
<b>Fish-Eye Dewarp</b>	Web Only
<b>Decoding Format</b>	H.265 / H.265+ / H.265S / H.264
<b>Decoding Capabilities</b>	1Ch - 8MP ; 4Ch - 2MP
Audio	
<b>Audio-specs-Input</b>	1CH RCA (Linear, 1kΩ) + IPC inputs
<b>audio-specs-Output</b>	1CH RCA (2.0 Vp-p, 1 kΩ) + IPC outputs
<b>Compression</b>	G.711A/G.711U
<b>Two Way Audio</b>	Yes
Analytics	
<b>Supported Analytics</b>	Camera Tampering, DDA2 With Object Classification, Line Crossing (DDA / Pixel Based), Sterile Area (DDA / Pixel Based), Object Monitoring, Object Counting (DDA), Crowd Gathering, People Intrusion, Smart Search, LPR, Thermal
<b>Analytics Channels (IPC Based)</b>	4Ch (Requires supporting IPC)
<b>Analytic Channels (NVR Based)</b>	Up to 2Ch DDA1 (Sterile Area/Line Crossing) or Up to 2Ch Face Detection (or their combinations)
<b>Face Recognition Rate</b>	N/A
Bandwidth	
<b>Incoming</b>	80Mbps

<b>Outgoing</b>	80Mbps
<b>Record/ Main Stream</b>	
<b>Real-Time Recording</b>	4CH 8MP Real-Time
<b>Record Type</b>	Video / Video + Audio
<b>Recording Modes</b>	Schedule, Manual, Motion, Sensor, Analytics, POS and all of the combinations
<b>16MP</b>	N/A
<b>12MP</b>	N/A
<b>8MP</b>	120FPS(NTSC)/100FPS(PAL)
<b>5MP and lower</b>	120FPS(NTSC)/100FPS(PAL)
<b>Master stream over network</b>	Up to 4CH@Recording Resolution
<b>Substream</b>	
<b>Resolution substream</b>	Depends on IPC
<b>Remote view</b>	
<b>Max Channel View</b>	20Ch (Limited to Outgoing Bandwidth Capacity)
<b>Remote Applications</b>	
<b>User Access</b>	64 Users online with Professional Authority Management
<b>Mobile App</b>	Provision Cam2 for iOS/Android
<b>PC/Mac Software</b>	Ossia VMS Standard / Enterprise
<b>Plug-in free Web-Browser</b>	Chrome, FireFox, Safari, Edge, Opera.
<b>Plug-in based Web-Browser</b>	Internet Explorer
<b>Playback</b>	
<b>Local</b>	4Ch
<b>Remote</b>	4Ch

<b>Search Mode</b>	DDA Object, Smart Search, LPR, Time-Slice, Time, Event, POS
<b>Backup</b>	
<b>USB</b>	2 USB 2.0 Port
<b>Backup Format</b>	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)
<b>Alarm</b>	
<b>Alarm-in</b>	Based on IPC only
<b>Alarm-out</b>	Based on IPC only
<b>Storage</b>	
<b>HDD</b>	1
<b>E-Sata Support</b>	No
<b>RAID</b>	N/A
<b>PTZ</b>	
<b>Connection</b>	Via Network
<b>Supported Controls</b>	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
<b>RS-485</b>	N/A
<b>Network</b>	
<b>Ethernet</b>	1000/100/10Mbps self-adaptive Ethernet interface
<b>Protocols</b>	TCP/IPv4/IPv6, DHCP, DDNS, NTP, SMTP, SSL/TLS, UPnP, P2P, RTSP, FTP, HTTPS, 820.1X, SNMP, Auto Report (Ossia VMS)
<b>ONVIF</b>	Full Device Support (Profile T/S/G, ONVIF Version 20.12)
<b>PoE</b>	
<b>PoE Ports</b>	4xRJ45
<b>Speed</b>	10/100Mbps (10Mbps under CCTV Mode)
<b>Standard</b>	PoE (IEEE802.3AF/AT)

# NVR8-4100PN-V2

<b>CCTV Mode</b>	Yes (Up to 200m and 10Mbps bandwidth)
<b>Total Power</b>	48W (Average 12W per Channel)
<b>Max. Power Output (Per Ch.)</b>	~25.5W
<b>Others</b>	
<b>Power Supply</b>	DC 48V/1.36A
<b>Power consumption (No HDD)</b>	10W
<b>Dimension</b>	W300xD249xH45mm
<b>Operation Temperature</b>	0°C~50°C