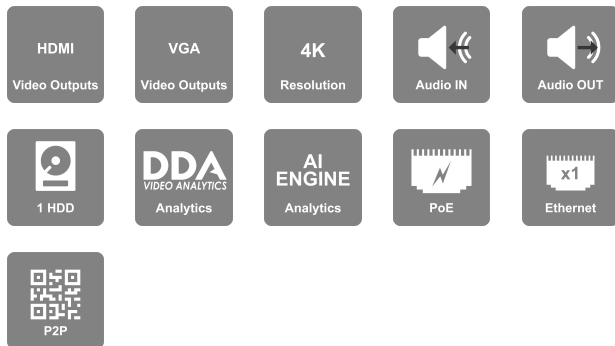


# NVR8-4100PN-V2

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

Provision-ISR's NVR8-4100PN-V2 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.



## 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 v1.4.12\_79765\_RD250620 and are subject to firmware version changes.



## 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)

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

Analytics	
<b>Supported Analytics</b>	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
<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) Supported Resolution: 1MP – 4K
<b>Face Recognition Rate</b>	N/A

Bandwidth	
<b>Incoming</b>	80Mbps
<b>Outgoing</b>	80Mbps

Substream	
<b>Resolution substream</b>	Depends on IPC

Remote view	
<b>Max Channel View</b>	20Ch (Limited to Outgoing Bandwidth Capacity)

Remote Applications	
<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. (All Limited to 4Ch Live View / Playback) *P2P WEB connetion always requires Plugin
<b>Plug-in based Web-Browser</b>	Internet Explorer

Playback	
<b>Local</b>	4Ch
<b>Remote</b>	4Ch

<b>Search Mode</b>	DDA Object, Smart Search, LPR, Time-Slice, Time, Event, POS
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## Backup

<b>USB</b>	2 USB 2.0 Port
<b>Backup Format</b>	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)

## Alarm

<b>Alarm-in</b>	Based on IPC only
<b>Alarm-out</b>	Based on IPC only

## Storage

<b>HDD</b>	1
<b>HDD Max Capacity</b>	10TB
<b>E-Sata Support</b>	No
<b>Total HDD Max Capacity</b>	10TB
<b>RAID</b>	N/A

## PTZ

<b>Connection</b>	Via Network
<b>Supported Controls</b>	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
<b>RS-485</b>	N/A

## Network

<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 Input + Output (Ossia VMS)
<b>ONVIF</b>	Full Device Support (Profile T/S/G, ONVIF Version 20.12)

## PoE

<b>PoE Ports</b>	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