

# NVR8-8200PN-V2

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

Provision-ISR's NVR8-8200PN-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 8PoE ports and compliance with NDAA requirements, this device provides all the essential features for a hassle-free CCTV project.



## MAIN FEATURES

### Video:

- Input: 8 Channel Support
- 8 Channel PoE / Standard Network Connection (Via 8 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:

- 8CH 8MP Real-Time
- FPS: 200 (PAL) / 240 (NTSC)

### Playback:

- Local: 8Ch Simultaneously
- Remote: 8Ch 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.



## 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                | 8Ch 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<br>IP Speaker                                         |
| Compression                | G.711A/G.711U                                                                                |
| Two Way Audio              | Yes                                                                                          |
| Record/ Main Stream        |                                                                                              |
| Real-Time Recording        | 8CH 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                        | 240FPS(NTSC)/200FPS(PAL)                                                                     |

|                                   |                                |
|-----------------------------------|--------------------------------|
| <b>5MP and lower</b>              | 240FPS(NTSC)/200FPS(PAL)       |
| <b>Master stream over network</b> | Up to 8CH@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> | 8Ch (Requires supporting IPC)                                                                                                                                                                                                                                                                                                             |
| <b>Analytic Channels (NVR Based)</b>  | Up to 2Ch DDA1 (Sterile Area/Line Crossing) or<br>Up to 2Ch Face Detection<br>(or their combinations)<br>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> | 40Ch (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.<br>(All Limited to 4Ch Live View / Playback)<br>*P2P WEB connetion always requires Plugin |
| <b>Plug-in based Web-Browser</b> | Internet Explorer                                                                                                               |

| Playback      |     |
|---------------|-----|
| <b>Local</b>  | 8Ch |
| <b>Remote</b> | 8Ch |

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

## 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> | 8xRJ45 |
|------------------|--------|

|                                    |                                       |
|------------------------------------|---------------------------------------|
| <b>Speed</b>                       | 10/100Mbps (10Mbps under CCTV Mode)   |
| <b>Standard</b>                    | PoE (IEEE802.3AF/AT)                  |
| <b>CCTV Mode</b>                   | Yes (Up to 200m and 10Mbps bandwidth) |
| <b>Total Power</b>                 | 72W (Average 9W per Channel)          |
| <b>Max. Power Output (Per Ch.)</b> | ~25.5W                                |

| Others                            |                 |
|-----------------------------------|-----------------|
| <b>Power Supply</b>               | DC 48V/1.875A   |
| <b>Power consumption (No HDD)</b> | 10W             |
| <b>Dimension</b>                  | W300xD249xH45mm |
| <b>Operation Temperature</b>      | 0°C~50°C        |