

NVR12-32800FN-16P(2U)

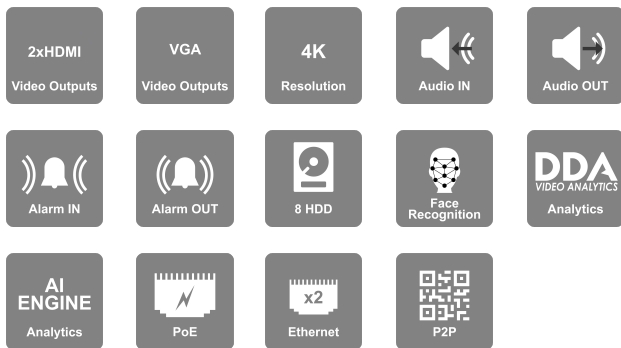
32CH 12MP NDAA-compliant Face Recognition PoE NVR with alarms

Provision-ISR NVR12-32800FN-16P(2U) is a high-performance network video recorder with an integrated 16-channel PoE switch for high-definition surveillance. The device features 16 alarm inputs + 4 alarm outputs and supports Face Recognition and Advanced Video Analytics (DDA). This easy-to-install solution is suitable for big-sized installations (up to 32 channels). It also complies with NDAA demands. Check Point Quantum IoT Nano agent is integrated into this model. It provides an advanced threat prevention layer against the common attack vectors at runtime.

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EMBEDDED

12
MP



MAIN FEATURES

Video:

- Input: 32 Channel Support
- 32 Channel PoE / Standard Network Connection (Via 32 x RJ-45 / Network)
- -16 Channel Standard Connection (Via RJ-45 Network Port)
- Output: HDMI1 (4K 30/60Hz, 1080P, 1280x1024), HDMI2 + VGA (1280x1024, 1080P)

Bandwidth:

- Incoming: 320Mbps
- Outgoing: 256Mbps

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 Recognition, LPR, Thermal, Crowd Gathering, People Intrusion
- Advanced Face Recognition Mode: Supports 2 Non-AI IPCs and performs face detection and recognition.

Recording:

- 32CH 12MP Real-Time
- FPS: 800 (PAL) / 960 (NTSC)

Playback:

- Local: 16Ch Simultaneously
- Remote: 16Ch Simultaneously

Audio:

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

Alarm:

- Input: 16+IPC
- Output: 4+IPC

Storage:

- 8 x SATA (Up to 10TB each)
- 1 x E-SATA (Up to 10TB each)

USB Port:

- 1 USB 2.0 Port + 1 USB 3.0 Port

Network:

- 2 x RJ-45: 10/100/1000Mbps Each

Remarks:

- The following features are based on firmware v1412_76762_RD_250122 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 | 32Ch over Network (out of which up to 16Ch PoE Direct Connection) |
| Output | HDMI1 (4K 30/60Hz, 1080P, 1280x1024), HDMI2 + VGA (1280x1024, 1080P) |
| View Mode | Independent*, Up to 32ch on monitor1 + 9ch on monitor2 |
| Fish-Eye Dewarp | Local + Web |
| Decoding Format | H.265 / H.265+ / H.265S / H.264 |
| Decoding Capabilities | 1Ch - 12MP ; 4Ch - 4MP ; 9-32Ch - D1 |
| 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 |
| 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 Recognition, LPR, Thermal, Crowd Gathering, People Intrusion Advanced Face Recognition Mode: Supports 2 Non-AI IPCs and performs face detection and recognition. |
| Analytics Channels (IPC Based) | 32Ch (requires supporting IPC) |
| Analytic Channels (NVR Based) | Up to 2Ch DDA1 (Sterile Area/Line Crossing) or Up to 2Ch Face Detection + Recognition or Up to 6Ch Face Recognition (IPC does Detection) (or their combinations) |
| Face Recognition Rate | 18 Faces per second (6Ch supported) |
| Bandwidth | |
| Incoming | 320Mbps |

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|-----------------------------------|---|
| Outgoing | 256Mbps |
| Record/ Main Stream | |
| Real-Time Recording | 32CH 12MP Real-Time |
| Record Type | Video / Video + Audio |
| Recording Modes | Schedule, Manual, Motion, Sensor, Analytics, POS, and all of its combinations |
| 16MP | N/A |
| 12MP | 960FPS(NTSC)/800FPS(PAL) |
| 8MP | 960FPS(NTSC)/800FPS(PAL) |
| 5MP and lower | 960FPS(NTSC)/800FPS(PAL) |
| Master stream over network | Up to 32CH@Recording resolution |
| Substream | |
| Resolution substream | Depends on IPC |
| Remote view | |
| Max Channel View | 160Ch (Limited to Outgoing Bandwidth Capacity) |
| Remote Applications | |
| User Access | 128 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 connection always requires Plugin |
| Plug-in based Web-Browser | Internet Explorer |
| Playback | |
| Local | 16Ch |
| Remote | 16Ch |

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| Search Mode | DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS |
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Backup

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|------------|---------------------------------|
| USB | 1 USB 2.0 Port + 1 USB 3.0 Port |
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| Backup Format | AVI (Unencrypted) / Private Format (Encrypted / Unencrypted) |
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Alarm

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| Alarm-in | 16+IPC |
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| Alarm-out | 4+IPC |
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Storage

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| HDD | 8 |
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| E-Sata Support | 1 |
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| RAID | N/A |
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PTZ

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| Connection | Via Network |
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| Supported Controls | Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus |
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| RS-485 | Yes (C06 Keyboard Connection) |
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Network

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| Ethernet | 2x1000/100/10Mbps self-adaptive Ethernet interface |
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| Protocols | TCP/IPv4/IPv6, DHCP, DDNS, NTP, SMTP, SSL/TLS, UPnP, P2P, RTSP, FTP, HTTPS, 820.1X, SNMP, Auto Report Input + Output (Ossia VMS) |
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| ONVIF | Full Device Support (Profile T/G, ONVIF Version 20.12) |
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PoE

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| PoE Ports | 16xRJ45 |
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| Speed | 10/100Mbps (10Mbps Under CCTV Mode) |
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| Standard | PoE (IEEE802.3AF/AT) |
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| CCTV Mode | Yes (Up to 200m and 10Mbps bandwidth) |
| Total Power | 150W (Average 9.3W per Channel) |
| Max. Power Output (Per Ch.) | ~25.5W |
| Others | |
| Power Supply | AC100-240V |
| Power consumption (No HDD) | 30W |
| Dimension | W445xD436xH90mm |
| Operation Temperature | 0°C~50°C |