

# NVR12-32800FN-16P(2U)

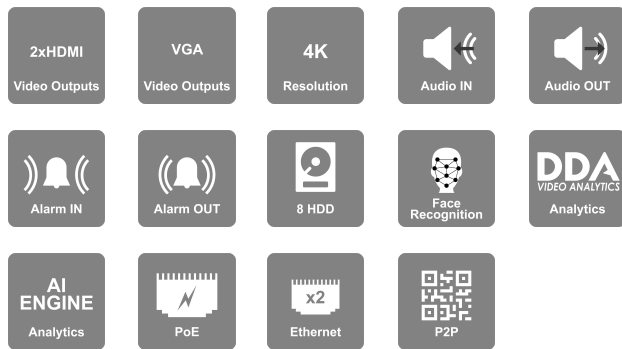
## 32CH 12MP Face Recognition PoE NVR with alarms, and NDAA compliance

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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## 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, 1280×1024), HDMI2 + VGA (1280×1024, 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 v1.4.12\_79765\_RD250627 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) Supported Resolution: 1MP – 4K
Face Recognition Rate	18 Faces per second (6Ch supported)
Bandwidth	
Incoming	320Mbps

<b>Outgoing</b>	256Mbps
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## Record/ Main Stream

<b>Real-Time Recording</b>	32CH 12MP Real-Time
<b>Record Type</b>	Video / Video + Audio
<b>Recording Modes</b>	Schedule, Manual, Motion, Sensor, Analytics, POS, and all of its combinations
<b>16MP</b>	N/A
<b>12MP</b>	960FPS(NTSC)/800FPS(PAL)
<b>8MP</b>	960FPS(NTSC)/800FPS(PAL)
<b>5MP and lower</b>	960FPS(NTSC)/800FPS(PAL)
<b>Master stream over network</b>	Up to 32CH@Recording resolution

## Substream

<b>Resolution substream</b>	Depends on IPC
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## Remote view

<b>Max Channel View</b>	160Ch (Limited to Outgoing Bandwidth Capacity)
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## Remote Applications

<b>User Access</b>	128 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 Exporer

## Playback

<b>Local</b>	16Ch
<b>Remote</b>	16Ch

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

<b>USB</b>	1 USB 2.0 Port + 1 USB 3.0 Port
<b>Backup Format</b>	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)

## Alarm

<b>Alarm-in</b>	16+IPC
<b>Alarm-out</b>	4+IPC

## Storage

<b>HDD</b>	8
<b>HDD Max Capacity</b>	10TB
<b>E-Sata Support</b>	1
<b>Total HDD Max Capacity</b>	90TB
<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>	Yes (C06 Keyboard Connection)

## Network

<b>Ethernet</b>	2x1000/100/10Mbps 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/G, ONVIF Version 20.12)

## PoE

<b>PoE Ports</b>	16xRJ45
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# NVR12-32800FN-16P(2U)

<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>	150W (Avarage 9.3W per Channel)
<b>Max. Power Output (Per Ch.)</b>	~25.5W

Others	
<b>Power Supply</b>	AC100-240V
<b>Power consumption (No HDD)</b>	30W
<b>Dimension</b>	W445xD436xH90mm
<b>Operation Temperature</b>	0°C~50°C