

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

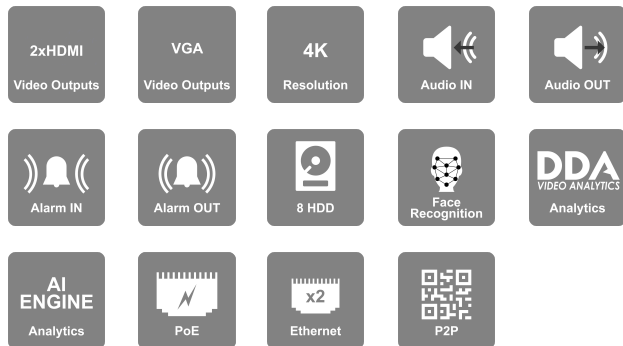
## 32CH 12MP NDAA-compliant Face Recognition PoE NVR with alarms

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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CH

**CHECK POINT**  
EMBEDDED

**12**  
MP



## MAIN FEATURES

- NVR12-32800FN-16P(2U) Video Input:
  - 32 Channels (16 PoE) Video Output:
  - 2 x HDMI (4K+FHD)
  - VGA 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)
  - Network:
  - 2 x RJ-45: 10/100/1000Mbps PTZ/Keyboard:
  - Network PTZ Support
  - 1 x RS-485 Keyboard Support
  - Power Supply:
  - AC100-240V
  - Analytics: AI by IPC:
  - All Analytics Supported by the camera AI By NVR:
  - Up to 2Ch DDA1 (Sterile Area/Line Crossing) or
  - Up to 2Ch Face Detection + Recognition or
  - Up to 6Ch Face Recognition Based on FW Version: v1.4.10
- Features subject to firmware version changes



<https://staging2.provision-isr.com>

## 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>	32Ch over Network (out of which up to 16Ch PoE Direct Connection)
<b>Output</b>	HDMI1 (4K 30/60Hz, 1080P, 1280x1024), HDMI2 + VGA (1280x1024, 1080P)
<b>View Mode</b>	Independent*, Up to 32ch on monitor1 + 9ch on monitor2
<b>Fish-Eye Dewarp</b>	Local + Web
<b>Decoding Format</b>	H.265 / H.265+ / H.265S / H.264
<b>Decoding Capabilities</b>	1Ch - 12MP ; 4Ch - 4MP ; 9-32Ch - D1
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, Face Recognition, LPR, Thermal. Advanced Face Recognition Mode: Supports up to 2 Non-AI IPC and performs face detection and recognition.
<b>Analytics Channels (IPC Based)</b>	32Ch (requires supporting IPC)
<b>Analytic Channels (NVR Based)</b>	Up to 2Ch DDA1 (Sterile Area/Line Crossing) or Up to 2Ch Face Detection + Recognition or Up to 6Ch Face Recognition (or their combinations)
<b>Face Recognition Rate</b>	18 Faces per second (6Ch supported)
Bandwidth	
<b>Incoming</b>	192Mbps

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<b>Outgoing</b>	192Mbps
<b>Record/ Main Stream</b>	
<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
<b>Substream</b>	
<b>Resolution substream</b>	Depends on IPC
<b>Remote view</b>	
<b>Max Channel View</b>	160Ch (Limited to Outgoing Bandwidth Capacity)
<b>Remote Applications</b>	
<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)
<b>Plug-in based Web-Browser</b>	Internet Explorer
<b>Playback</b>	
<b>Local</b>	16Ch
<b>Remote</b>	16Ch

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<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>E-Sata Support</b>	1
<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 (Ossia VMS)
<b>ONVIF</b>	Full Device Support (Profile T/G, ONVIF Version 20.12)

## PoE

<b>PoE Ports</b>	16xRJ45
<b>Speed</b>	10/100Mbps (10Mbps Under CCTV Mode)
<b>Standard</b>	PoE (IEEE802.3AF/AT)

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<b>CCTV Mode</b>	Yes (Up to 200m and 10Mbps bandwidth)
<b>Total Power</b>	150W (Average 9.3W per Channel)
<b>Max. Power Output (Per Ch.)</b>	~25.5W
<b>Others</b>	
<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