

# NVR12-16400FAN(1U)

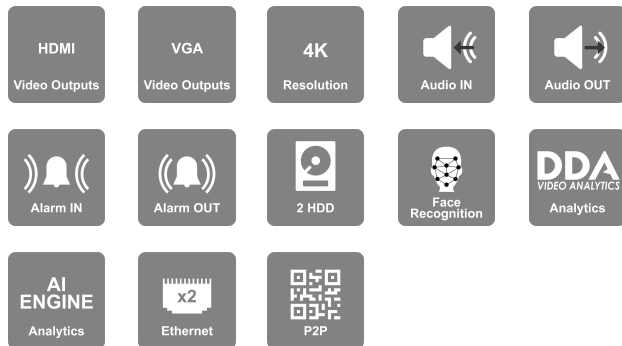
## 16CH 12MP Face Recognition NVR with alarms, and NDAA compliance

Provision-ISR's NVR12-16400FAN(1U) is a high-performance network video recorder supporting Face Recognition and advanced Video Analytics (DDA). The device, suitable for small-sized installations (up to 16 channels), features 8 alarm inputs + 8 alarm outputs and provides you with everything you need for a trouble-free CCTV project. This model complies with NDAA demands.

**16**  
CH

**CHECK  
POINT  
EMBEDDED**

**12**  
MP



## MAIN FEATURES

### Video:

- Input: 16 Channel Support
- 16 Channel Standard Connection (Via RJ-45 Network Port)
- Output: HDMI (4K@60Hz, 4K@30Hz, 1080P), VGA (1080P, 1280×1024, 1024×768)

### Bandwidth:

- Incoming: 160Mbps
- Outgoing: 160Mbps

### 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:

- 16CH 12MP Real-Time
- FPS: 400 (PAL) / 480 (NTSC)

### Playback:

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

### Audio:

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

### Alarm:

- Input: 8+IPC
- Output: 4+IPC

### Storage:

- 2 x SATA (Up to 10TB each)

### USB Port:

- 2 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	16Ch over Network
Output	HDMI (4K@60Hz, 4K@30Hz, 1080P), VGA (1080P, 1280x1024, 1024x768)
View Mode	Mirrored
Fish-Eye Dewarp	Local + Web
Decoding Format	H.265 / H.265+ / H.265S / H.264
Decoding Capabilities	1Ch – 12MP ; 4Ch – 4MP ; 9-16Ch – 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)	16Ch (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	160Mbps

<b>Outgoing</b>	160Mbps
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## Record/ Main Stream

<b>Real-Time Recording</b>	16CH 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>	480FPS(NTSC)/400FPS(PAL)
<b>8MP</b>	480FPS(NTSC)/400FPS(PAL)
<b>5MP and lower</b>	480FPS(NTSC)/400FPS(PAL)
<b>Master stream over network</b>	Up to 12CH@Recording Resolution

## Substream

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

<b>Max Channel View</b>	80Ch (Limited to Outgoing Bandwidth Capacity)
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## 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 Exporer

## Playback

<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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<b>Backup</b>	
<b>USB</b>	2 USB 2.0 Port + 1 USB 3.0 Port
<b>Backup Format</b>	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)

<b>Alarm</b>	
<b>Alarm-in</b>	8+IPC
<b>Alarm-out</b>	4+IPC

<b>Storage</b>	
<b>HDD</b>	2
<b>HDD Max Capacity</b>	10TB
<b>E-Sata Support</b>	No
<b>Total HDD Max Capacity</b>	20TB
<b>RAID</b>	N/A

<b>PTZ</b>	
<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)

<b>Network</b>	
<b>Ethernet</b>	2x1000/100/10Mbps self-adaptive Ethernet interface with Fault Tolerance / Dual Network Configuration
<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)

<b>PoE</b>	
<b>PoE Ports</b>	N/A

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<b>Speed</b>	N/A
<b>Standard</b>	N/A
<b>CCTV Mode</b>	N/A
<b>Total Power</b>	N/A
<b>Max. Power Output (Per Ch.)</b>	N/A

Others	
<b>Power Supply</b>	12VDC/4A
<b>Power consumption (No HDD)</b>	20W
<b>Dimension</b>	380 × 268 × 48.1 mm
<b>Operation Temperature</b>	0°C~50°C