

## NVR

Provision-ISR NVRs seamlessly integrate with IP cameras, ensuring efficient video storage and playback via network connections. These versatile devices offer flexibility in system design, eliminating the need for direct IP camera connections and simplifying wiring. Offering Face Recognition and Advanced Video Analytics (DDA™), select models feature alarm inputs and Check Point Quantum IoT Nano agent for enhanced security.



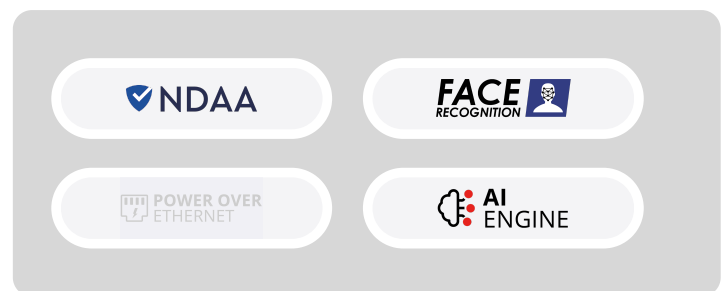
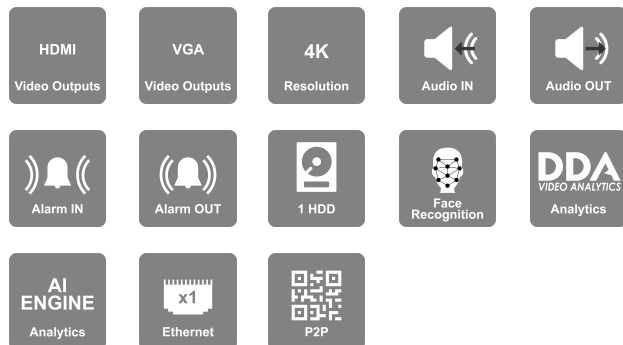
# NVR12-16400FAN(1U)

## 16CH 12MP NDAA-compliant Face Recognition NVR with Alarms

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

12  
MP



## MAIN FEATURES

- NVR12-16400FAN(1U) 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.265/H.264 Analytics:
- 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(Limited Support).
- Advanced Face Recognition Mode: Supports 2 Non-AI IPCs and performs face detection and recognition. Recording:
- 16CH 8MP Real-Time 12MP – 20FPS
- FPS: 12MP 320 FPS (PAL/NTSC) Playback:
- Local: 16Ch Simultaneously
- Remote: 16Ch on IE, 4Ch on H5 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 8TB each) USB Port:
- 2 USB 2.0 Port + 1 USB 3.0 Port Network:
- 1 x RJ-45: 10/100Mbps Each



<https://provision-isr.com>

## SPECIFICATIONS

3rd Party Cyber Protection	
General	N/A
Protection Methods	N/A
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 - 2MP
Audio	
Audio-specs-Input	1CH RCA (Linear, 1kΩ) + IPC inputs
audio-specs-Output	1CH RCA (2.0 Vp-p, 1 kΩ) + IPC outputs
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, Object Counting (DDA), Crowd Gathering, People Intrusion, Smart Search, Face Recognition, LPR, Thermal(Limited Support). 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 (or their combinations)
Face Recognition Rate	18 Faces per second (6Ch supported)
Bandwidth	
Incoming	160Mbps
Outgoing	160Mbps

Record/ Main Stream	
<b>Real-Time Recording</b>	16CH 8MP Real-Time 12MP – 20FPS
<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>	320FPS(PAL/NTSC)
<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
Remote view	
<b>Max Channel View</b>	80Ch (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. (All Limited to 4Ch Live View / Playback)
<b>Plug-in based Web-Browser</b>	Internet Explorer
Playback	
<b>Local</b>	16Ch
<b>Remote</b>	16Ch on IE, 4Ch on H5
<b>Search Mode</b>	DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS
Backup	

# NVR12-16400FAN(1U)

<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>E-Sata Support</b>	No
<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>	10/100Mbps 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)

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

# NVR12-16400FAN(1U)



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