

NVR12-16400FAN(1U)

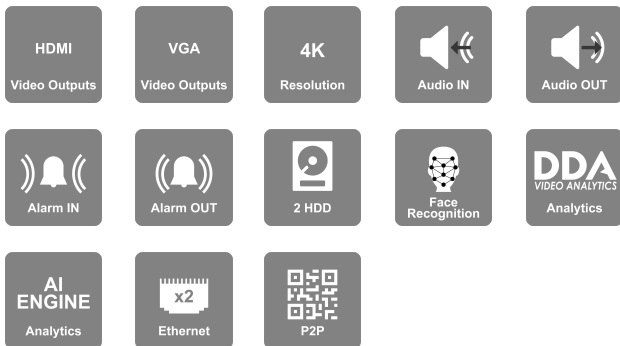
16CH 12MP NDAA-compliant Face Recognition NVR with Alarms

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

**CHECK
POINT
EMBEDDED**

12
MP



MAIN FEATURES

- NVR12-16400FAN(1U) Video Input:
- 16 Channels Video Output:
- HDMI – 4K
- VGA 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) Network:
- 2 x RJ-45: 10/100/1000Mbps PTZ/Keyboard:
- Network PTZ Support
- 1 x RS-485 Keyboard Support Power Supply:
- 12VDC/4A 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://staging10.provision-isr.com>

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
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
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Record/ Main Stream

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

Substream

Resolution substream	Depends on IPC
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Remote view

Max Channel View	80Ch (Limited to outgoing Bandwidth Capacity)
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Remote Applications

User Access	64 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)
Plug-in based Web-Browser	Internet Explorer

Playback

Local	16Ch
Remote	16Ch

Search Mode	DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS
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Backup	
USB	2 USB 2.0 Port + 1 USB 3.0 Port
Backup Format	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)

Alarm	
Alarm-in	8+IPC
Alarm-out	4+IPC

Storage	
HDD	2
E-Sata Support	No
RAID	N/A

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

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

PoE	
PoE Ports	N/A
Speed	N/A
Standard	N/A

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CCTV Mode	N/A
Total Power	N/A
Max. Power Output (Per Ch.)	N/A
Others	
Power Supply	12VDC/4A
Power consumption (No HDD)	20W
Dimension	380 × 268 × 48.1 mm
Operation Temperature	0°C~50°C