

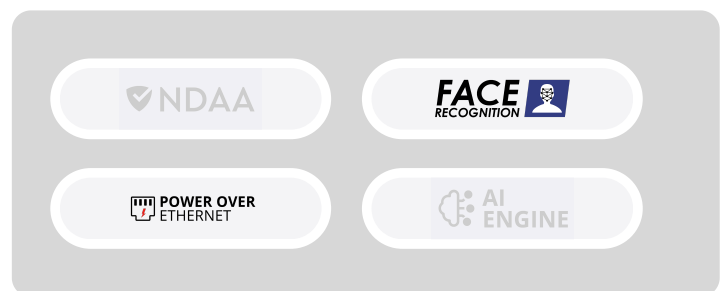
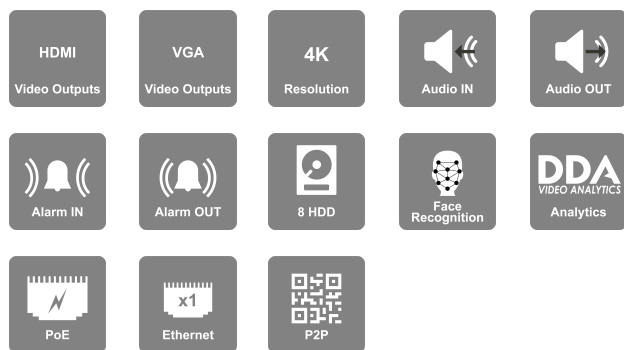
# NVR8-16400PFA(1U)

## 16CH 8MP Face Recognition PoE NVR with alarms

Provision-ISR NVR8-16400PFA(1U) is a high performance network video recorder with integrated PoE switch for high-definition surveillance. The device features 8 alarm inputs + 4 alarm outputs and supports both Face Recognition and Advanced Video Analytics (DDA). This easy-to-install solution is suitable for mid-sized installations (up to 16 channels) and provides you with everything you need for a trouble-free CCTV project.

**16**  
CH

**8**  
MP



## MAIN FEATURES

- NVR8-16400PFA(1U) Video Input:
- 16 Channels (PoE) Video Output:
- HDMI – 4K
- VGA Recording:
- 16CH 8MP 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 8TB each) Network:
- 1 x RJ-45: 10/100/1000Mbps PTZ/Keyboard:
- Network PTZ Support
- 1 x RS-485 Keyboard Support Power Supply:
- 48V/3.75A Analytics: AI by IPC:
- All Analytics Supported by the camera FW Version: v1.4.7

\*Features subject to firmware version changes.



<https://provision-isr.com>

## SPECIFICATIONS

3rd Party Cyber Protection	
General	N/A
Protection Methods	N/A
NDAA Compliant	
NDAA Compliant	No
Video	
Video Input	16Ch Over Network / PoE Direct Connection
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 - 8MP ; 4Ch - 2x8MP + 2x5MP ; 9/16Ch - 1MP
Audio	
Audio-specs-Input	1CH RCA (Linear, 1k $\Omega$ ) + IPC Inputs
audio-specs-Output	1CH RCA (2.0 Vp-p, 1 k $\Omega$ ) + 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. Advanced Face Recognition Mode: Supports up to 2 Non-AI IPC and performs face detection and recognition.
Analytics Channels (IPC Based)	16Ch (Requires supporting IPC)
Analytic Channels (NVR Based)	N/A
Face Recognition Rate	180 Faces per minute (All Channels) / 3 Faces per second (Single Channel)
Bandwidth	
Incoming	160Mbps
Outgoing	160Mbps

Record/ Main Stream	
<b>Real-Time Recording</b>	16CH 8MP 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>	N/A
<b>8MP</b>	480FPS(NTSC)/400FPS(PAL)
<b>5MP and lower</b>	480FPS(NTSC)/400FPS(PAL)
<b>Master stream over network</b>	Up to 16CH@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>	10 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
<b>Search Mode</b>	DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS
Backup	

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<b>USB</b>	1 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>	1000/100/10Mbps 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)
<b>PoE</b>	
<b>PoE Ports</b>	16xRJ45
<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 (Average 14.25W Per Channel)
<b>Max. Power Output (Per Ch.)</b>	~25.5W

# NVR8-16400PFA(1U)

Others	
<b>Power Supply</b>	48V/3.75A
<b>Power consumption (No HDD)</b>	15W
<b>Dimension</b>	W375xD275xH50mm
<b>Operation Temperature</b>	0°C~50°C