PROVISION ISR
PROTECTING YOUR PRIVACY

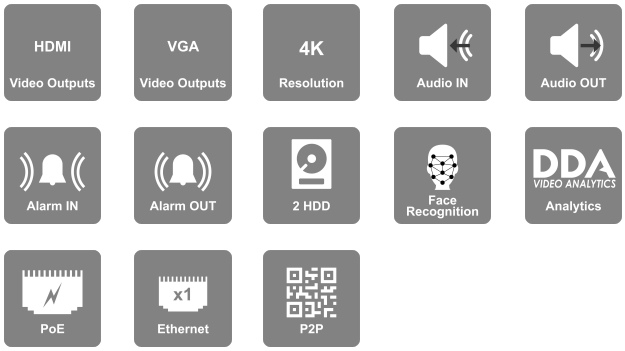
NVR8-16400PFA(1U)

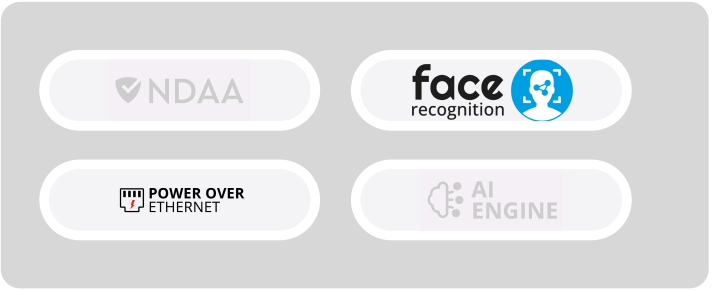
16CH 8MP Face Recognition PoE NVR with alarms

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 Analitycs (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

Video:
- Input: 16 Channel Support
- 16 Channel PoE / Standard Network Connection (Via 16 x RJ-45 / Network)
- 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, Object Counting (DDA), Crowd Gathering, Smart Search, LPR, Loitering Detection, Illegal Parking, Audio Exception
- Advanced Face Recognition Mode: Supports up to 2 Non-AI IPC and performs face detection and recognition.

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 10TB each)

USB Port:
- 1 USB 2.0 Port + 1 USB 3.0 Port

Network:
- 1 x RJ-45: 10/100/1000Mbps Each

Remarks:
- The following features are based on firmware v1.4.10 and are subject to firmware version changes.

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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, 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, Smart Search, LPR, Loitering Detection, Illegal Parking, Audio Exception 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

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Outgoing	160Mbps
Record/ Main Stream	
Real-Time Recording	16CH 8MP Real-Time
Record Type	Video / Video + Audio
Recording Modes	Schedule, Manual, Motion, Sensor, Analytics, POS and all of its combinations
16MP	N/A
12MP	N/A
8MP	480FPS(NTSC)/400FPS(PAL)
5MP and lower	480FPS(NTSC)/400FPS(PAL)
Master stream over network	Up to 16CH@Recording Resolution
Substream	
Resolution substream	Depends on IPC
Remote view	
Max Channel View	80Ch (Limited to Outgoing Bandwidth Capacity)
Remote Applications	
User Access	10 Users Online with Professional Autorithy 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 Exporer
Playback	
Local	16Ch
Remote	16Ch

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Search Mode	DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS

Backup	
USB	1 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	1000/100/10Mbps self-adaptive Ethernet interface
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	16xRJ45
Speed	10/100Mbps (10Mbps Under CCTV Mode)
Standard	PoE (IEEE802.3AF/AT)

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CCTV Mode	Yes (Up to 200m and 10Mbps bandwidth)
Total Power	150W (Avarage 14.25W Per Channel)
Max. Power Output (Per Ch.)	~25.5W

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