

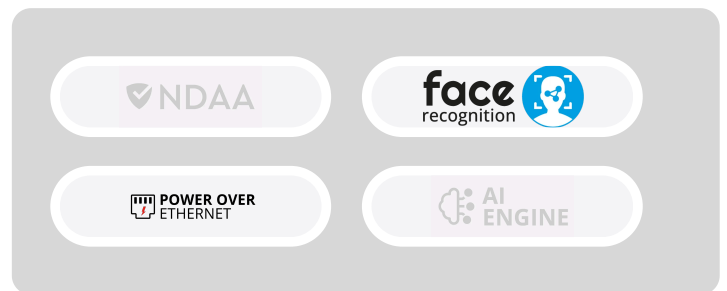
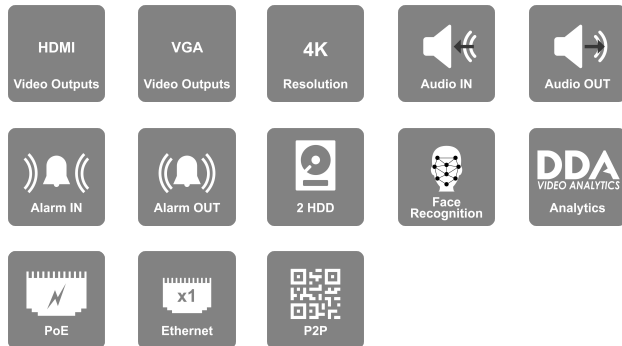
NVR8-16400PFA(1U)

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

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.



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 |

| | |
|-----------------|---------|
| 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

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| User Access | 10 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) *P2P WEB connetion always requires Plugin |
| Plug-in based Web-Browser | Internet Exporer |

Playback

| | |
|---------------|------|
| Local | 16Ch |
| Remote | 16Ch |

| | |
|--------------------|-------------------------------------------------------------------------------|
| 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) |

NVR8-16400PFA(1U)

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|------------------------------------|---------------------------------------|
| CCTV Mode | Yes (Up to 200m and 10Mbps bandwidth) |
| Total Power | 150W (Average 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 |

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Features | Channels: 16 over Network / PoE Video output: HDMI (4K,1080P) VGA (1280X1024) Max. Recording: 16CH 8MP Real Time HDD: 2 SATA (8TB each) with Smart Management Alarms: 8 in-4 out (+ Depends on Camera) Audio: 1 In / 1 Out (+ IPC Inputs/Outputs) Video Analytics: Yes (Must be supported by IPC) DDA, Face recognition, LPR and Fish-Eye support |
| Video Output | HDMI+VGA |