

## NVR SERIES

Provision-ISR conventional NVRs are intended for obtaining video streams from IP cameras via the network for storage and subsequent playback. These devices communicate with the IP cameras through the general network without the need for a direct IP camera connection, providing the installer with the highest flexibility in the design of the system and the wiring.



# NVR12-16400PFAN(1U)

## 16CH 12MP POE NDAA-COMPLIANT FACE RECOGNITION NVR WITH ALARMS

Provision-ISR's NVR12-16400PFAN(1U) is an NDAA-compliant high-performance network video recorder with an integrated 16-channel PoE switch for high-definition surveillance, supporting Face Recognition and advanced Video Analytics (DDA).

The device, suitable for small-sized installations (up to 16 channels), features 8 alarm inputs + 4 alarm outputs and provides you with everything you need for a trouble-free CCTV project.



### MAIN FEATURES

- Channels: 16 over Network / PoE
- Video output: HDMI (4K,1080P) VGA (1280X1024)
- Max. Recording: 16CH 12MP 20FPS, 16CH 8MP Real Time
- HDD: 2 SATA (16 TB Max)
- Alarms: 8 in / 4 out (+ IPC inputs/outputs)
- Audio: 1 in / 1 out (+ IPC inputs/outputs)
- Video Analytics: Yes (Must be supported by IPC)
- DDA, Face recognition, LPR and Fish-Eye support



# NVR12-16400PFAN(1U)



## SPECIFICATIONS

Cyber Protection	General	N/A
	Protection Methods	N/A
	Input	16Ch over Network
	Output	HDMI (4K@60Hz, 4K@30Hz, 1080P), VGA (1080P, 1280x1024, 1024x768)
Video	View Mode	Mirrored
	Decoding Format	H.265 / H.265+ / H.265S / H.264
	Fish-Eye Dewarp	Local + Web
	Decoding Capabilities	1Ch - 12MP ; 4Ch - 2MP
Audio	Input	1CH RCA (Linear, 1kΩ) + IPC inputs
	Output	1CH RCA (2.0 Vp-p, 1 kΩ) + IPC outputs
	Compression	G.711A/G.711U
	Two-Way Audio	Yes
Analytics	Analytics Channels (IPC Based)	16Ch (Requires supporting IPC)
	Analytic Channels (NVR Based)	Up to 2Ch Face Recognition (From non AI IPC)
	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.
	Face Recognition Rate	180 Faces per minute (All Channels) / 3 Faces per second (Single Channel)
Bandwidth	Incoming	160Mbps
	Outgoing	160Mbps
Record / Remote App Record / Main Stream	Real-Time Recording	16CH 8MP Real-Time 12MP - 20FPS
	Record Type	Video / Video + Audio
	16MP	N/A
	12MP	320FPS(PAL/NTSC)
	8MP	480FPS(NTSC)/400FPS(PAL)
	5MP and lower	480FPS(NTSC)/400FPS(PAL)
	Master stream over network	Up to 12CH@Recording Resolution

## SPECIFICATIONS

Record / Remote App	Substream	Resolution	Depends on IPC
		Substream over Network	80Ch (Limited to Outgoing Bandwidth Capacity)
	General	Recording Modes	Schedule, Manual, Motion, Sensor, Analytics, POS and all of its combinations
		User Access	64 Users online with Professional Authority Management
	Remote Applications	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 Playback	16Ch
		Remote Playback (Web, App, VMS)	16Ch on IE, 4Ch on H5
		Search Mode	DDA Object, Smart Search, LPR, Face Recognition, Time-Slice, Time, Event, POS
	Backup	USB	2 USB 2.0 Port + 1 USB 3.0 Port
Backup Format		AVI (Unencrypted)/Private Format (Encrypted/Unencrypted)	
Alarm	Input	8+IPC	
	Output	4+IPC	
Storage	HDD	2	
	E-SATA	No	
	HDD Capacity Support	8TB	
	Max Capacity	16TB	
	RAID	N/A	

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## SPECIFICATIONS

PTZ	Connection	via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes (C06 Keyboard Connection)
Network	Ethernet	10/100Mbps 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)
	Ports	16xRJ45
	Speed	10/100Mbps (10Mbps under CCTV Mode)
PoE	Standard	IEEE802.3AF/AT
	CCTV Mode	Yes (Up to 200m and 10Mbps bandwidth)
	Total Power	150W (Average 9.3W per Channel)
	Max. Power Output (Per Ch.)	~15W*
	Power Supply	12VDC/4A
Others	Power consumption (No HDD)	20W
	Dimensions	380 × 268 × 48.1 mm
	Operation Temperature	0°C~50°C