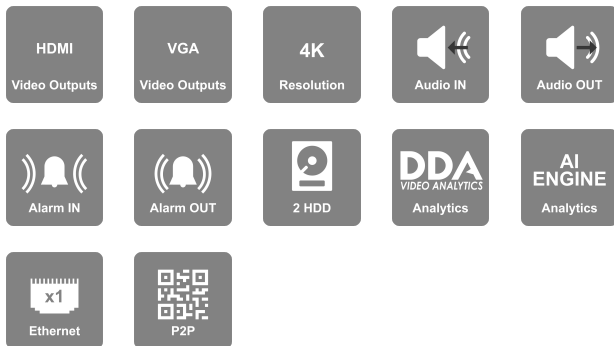# NVR8-16400AN(1U)-V2

16CH 8MP NVR with alarms, and NDAA compliance

Provision-ISR's NVR8-16400AN(1U)-V2 is an easy-to-install solution for mid-sized installations (up to 16 channels). Check Point Quantum IoT Nano agent is integrated into this model. It provides an advanced threat prevention layer against the common attack vectors at runtime. The device complies with NDAA demands. It features 4 alarm inputs + 1 alarm output and provides you with everything you need for a trouble-free CCTV project.

16 CH

CHECK POINT EMBEDDED

8 MP

HDMI	VGA	4K		
Video Outputs	Video Outputs	Resolution	Audio IN	Audio OUT

			DDA VIDEO ANALYTICS	AI ENGINE
Alarm IN	Alarm OUT	2 HDD	Analytics	Analytics

x1	
Ethernet	P2P

NDAA

face detection

POWER OVER ETHERNET

AI ENGINE

MAIN FEATURES

Video:
- Input: 16 Channel Support
- 16 Channel Standard Connection (Via RJ-45 Network Port)
- Output: HDMI (4K, 1080P), VGA (1080P, 1280×1024, 1024×768)

Bandwidth:
- Incoming: 96Mbps
- Outgoing: 96Mbps

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, Loitering Detection, Illegal Parking, Audio Exception, Heat Map, Object Counting (Line),Object Counting (Area), Smart Search, Face Detection, LPR, Thermal, Crowd Gathering, People Intrusion

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: 4+IPC
- Output: 1+IPC

Storage:
- 2 x SATA (Up to 10TB each)

USB Port:
- 2 USB 2.0 Port

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

Remarks:
- The following features are based on firmware v1.4.12_79765_RD250620 and are subject to firmware version changes.

https://provision-isr.com

PROVISION ISR
PROTECTING YOUR PRIVACY

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 / PoE direct connection
Output	HDMI (4K, 1080P), VGA (1080P, 1280x1024, 1024x768)
View Mode	Mirrored
Fish-Eye Dewarp	VMS + Web Only (1 at a time)
Decoding Format	H.265 / H.265+ / H.265S / H.264
Decoding Capabilities	1Ch – 8MP ; 4Ch – 2MP ; 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 IP Speaker
Compression	G.711A/G.711U
Two Way Audio	Yes

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 the 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

Analytics	
Supported Analytics	Camera Tampering, DDA2 With Object Classification, Line Crossing (DDA / Pixel Based), Sterile Area (DDA / Pixel Based), Object Monitoring, Loitering Detection, Illegal Parking, Audio Exception, Heat Map, Object Counting (Line),Object Counting (Area), Smart Search, Face Detection, LPR, Thermal, Crowd Gathering, People Intrusion
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 (or their combinations) Supported Resolution: 1MP – 4K
Face Recognition Rate	N/A

Bandwidth	
Incoming	96Mbps
Outgoing	96Mbps

Substream	
Resolution substream	Depends on IPC

Remote view	
Max Channel View	80Ch (Limited to Outgoing Bandwidth Capacity)

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) *P2P WEB connetion always requires Plugin
Plug-in based Web-Browser	Internet Explorer

Playback	
Local	16Ch
Remote	16Ch

NVR8-16400AN(1U)-V2

Search Mode	DDA Object, Smart Search, LPR, Time-Slice, Time, Event, POS
Backup	
USB	2 USB 2.0 Port
Backup Format	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)
Alarm	
Alarm-in	4+IPC
Alarm-out	1+IPC
Storage	
HDD	2
HDD Max Capacity	10TB
E-Sata Support	No
Total HDD Max Capacity	20TB
RAID	N/A
PTZ	
Connection	Via Network
Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
RS-485	N/A
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 Input + Output(Ossia VMS)
ONVIF	Full Device Support (Profile T/S/G, ONVIF Version 20.12)
PoE	
PoE Ports	N/A

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Speed	N/A
Standard	N/A
CCTV Mode	N/A
Total Power	N/A
Max. Power Output (Per Ch.)	N/A

Others	
Power Supply	DC12V/3A
Power consumption (No HDD)	5W
Dimension	W375xD275xH50mm
Operation Temperature	0°C~50°C