

NVR16-641600RFAN(2U)

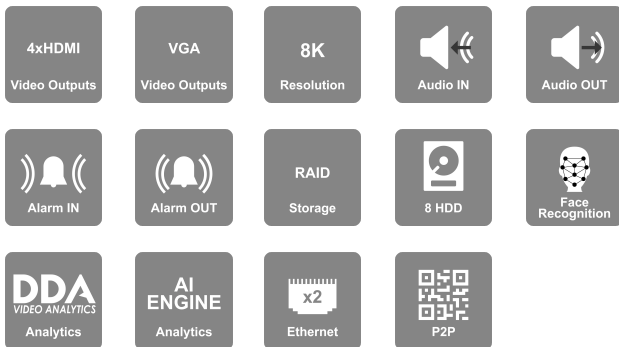
64CH 16MP NVR, NDAA-compliant, Face Recognition with Alarms and RAID

Provision-ISR NVR16-641600RFAN(2U) is an easy-to-install solution suitable for big-sized installations (up to 64 channels). The device features 16 alarm inputs + 4 alarm outputs and provides you with everything you need for a trouble-free CCTV project. All hardware components, including the Raid, are validated to meet the demands for reliable high-definition surveillance. This model complies with NDAA demands and ensures that your devices are cyber-protected round the clock with the integrated Check Point Quantum IoT Nano agent that provides an advanced threat prevention layer against the common attack vectors at runtime.

64
CH

CHECK POINT
EMBEDDED

16
MP



MAIN FEATURES

Video:

- Input: 64 Channel Support
- 64 Channel Standard Connection (Via RJ-45 Network Port)
- Output: HDMI1 (8K 30/60Hz, 4K, 1080P, 1280×1024) (When the resolution of HDMI1 output is 8K, HDMI2 is unavailable) HDMI2: 4K, 1080P, 1280×1024, 1024×768 HDMI3: 4K, 1080P, 1280×1024, 1024×768 HDMI4: 1080P, 1280×1024, 1024×768 VGA: 1080P 1280×1024, 1024×768 (VGA and HDMI1 output the same video source)

Bandwidth:

- Incoming: 640Mbps
- Outgoing: 640Mbps

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, People Intrusion, Smart Search, Face Recognition (Up to 16 CH), LPR, Thermal (Limited Support).
- Advanced Face Recognition Mode: Supports 4 Non-AI IPCs and performs face detection and recognition.

Recording:

- 64CH 16MP Real-Time
- FPS: 1600 (PAL) / 1920 (NTSC)

Playback:

- Local: 16Ch Simultaneously
- Remote: 16Ch Simultaneously

Audio:

- Input: 1CH + IPC Inputs
- Output: 1CH + IPC Output
- 2 Way Audio

Alarm:

- Input: 16+IPC
- Output: 4+IPC

Storage:

- 8 x SATA (Up to 10TB each)
- 2 x E-SATA (Up to 10TB each)
- RAID: (0/1/5/6/10) Support

USB Port:

- 2 USB 2.0 Port + 1 USB 3.0 Port

Network:

- 2 x RJ-45: 10/100/1000Mbps Each

Remarks:

- The following features are based on firmware 1.4.12_78966_RD250520 and are subject to firmware version changes.

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	64Ch Over Network
Output	HDMI1 (8K 30/60Hz, 4K, 1080P, 1280x1024) (When the resolution of HDMI1 output is 8K, HDMI2 is unavailable) HDMI2: 4K, 1080P, 1280x1024, 1024x768 HDMI3: 4K, 1080P, 1280x1024, 1024x768 HDMI4: 1080P, 1280x1024, 1024x768 VGA: 1080P 1280x1024, 1024x768 (VGA and HDMI1 output the same video source)
View Mode	Independent*, Up to 32ch Per Monitor (When enabled, NVR based analytics are disabled)
Fish-Eye Dewarp	Local + Web
Decoding Format	H.265 / H.265+ / H.265S / H.264
Decoding Capabilities	1Ch – 16MP ; 4Ch – 12MP ; 9/16Ch – 1MP ; 32Ch – D1 ; 64Ch – 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
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 (Up to 16 CH), LPR, Thermal (Limited Support). Advanced Face Recognition Mode: Supports 4 Non-AI IPCs and performs face detection and recognition.
Analytics Channels (IPC Based)	64Ch (Requires supporting IPC)
Analytic Channels (NVR Based)	Up to 8Ch DDA1 (Sterile Area/Line Crossing) or Up to 4Ch Face Detection + Recognition or Up to 16Ch Face Recognition (or their combinations)
Face Recognition Rate	36 Faces per second (16Ch supported)

Bandwidth	
Incoming	640Mbps

Outgoing	640Mbps
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Record/ Main Stream

Real-Time Recording	64CH 16MP Real-Time
Record Type	Video / Video + Audio
Recording Modes	Schedule, Manual, Motion, Sensor, Analytics, POS and all of its combinations
16MP	1920FPS(NTSC)/1600FPS(PAL)
12MP	1920FPS(NTSC)/1600FPS(PAL)
8MP	1920FPS(NTSC)/1600FPS(PAL)
5MP and lower	1920FPS(NTSC)/1600FPS(PAL)
Master stream over network	Up to 64CH@Recording Resolution

Substream

Resolution substream	Depends on IPC
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Remote view

Max Channel View	320Ch (Limited to Outgoing Bandwidth Capacity)
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Remote Applications

User Access	128 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 connection always requires Plugin
Plug-in based Web-Browser	Internet Explorer

Playback

Local	16Ch
Remote	16Ch

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

USB	2 USB 2.0 Port + 1 USB 3.0 Port
Backup Format	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)

Alarm

Alarm-in	16+IPC
Alarm-out	4+IPC

Storage

HDD	8
HDD Max Capacity	10TB
E-Sata Support	2
Total HDD Max Capacity	100TB
RAID	Yes (0/1/5/6/10)

PTZ

Connection	Via Network
Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
RS-485	Yes (C06 Keyboard Connection)

Network

Ethernet	2x1000/100/10Mbps self-adaptive Ethernet interface with Fault Tolerance / Dual Network Configuration
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/G, ONVIF Version 20.12)

PoE

PoE Ports	N/A
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NVR16-641600RFAN(2U)



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

Others	
Power Supply	AC100-240V
Power consumption (No HDD)	50W
Dimension	W436xD445xH90mm
Operation Temperature	0°C~50°C