

# NVR16-128RFAN(3U)

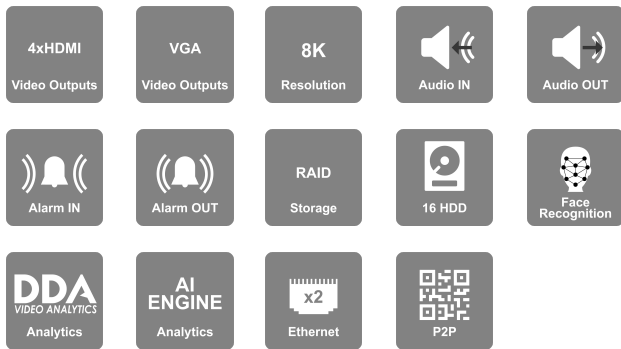
## 128CH 16MP NVR, NDAA-compliant, Face Recognition with Alarms and RAID

Provision-ISR NVR16-128RFAN(3U) is an easy-to-install solution suitable for big-sized installations (up to 128 channels). The device features 24 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.

128  
CH

CHECK  
POINT  
EMBEDDED

16  
MP



## MAIN FEATURES

### Video:

- Input: 128 Channel Support
- 128 Channel Standard Connection (Via RJ-45 Network Port)
- 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)

### Bandwidth:

- Incoming: 768Mbps
- Outgoing: 768Mbps

### 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:

- 128CH 16MP Real-Time
- FPS: 3200 (PAL) / 3840 (NTSC)

### Playback:

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

### Audio:

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

### Alarm:

- Input: 24+IPC
- Output: 4+IPC

### Storage:

- 16 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	
<b>General</b>	Quantum IoT Nano agent by Check Point™
<b>Protection Methods</b>	Shell injection protection, File Monitor, Import-Table Protection, Dynamic-Memory Protection
NDAA Compliant	
<b>NDAA Compliant</b>	Yes
Video	
<b>Video Input</b>	128Ch Over Network
<b>Output</b>	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)
<b>View Mode</b>	Independent*, Up to 32ch Per Monitor (When enabled, NVR based analytics are disabled)
<b>Fish-Eye Dewarp</b>	Local + Web
<b>Decoding Format</b>	H.265 / H.265+ / H.265S / H.264
<b>Decoding Capabilities</b>	1Ch - 16MP ; 4Ch - 12MP ; 9/16Ch - 1MP ; 32Ch - D1 ; 64Ch - D1
Audio	
<b>Audio-specs-Input</b>	1CH RCA (Linear, 1kΩ) + IPC Inputs
<b>audio-specs-Output</b>	1CH RCA (2.0 Vp-p, 1 kΩ) + IPC outputs IP Speaker
<b>Compression</b>	G.711A/G.711U
<b>Two Way Audio</b>	Yes
Analytics	
<b>Supported Analytics</b>	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.
<b>Analytics Channels (IPC Based)</b>	128Ch (Requires supporting IPC)
<b>Analytic Channels (NVR Based)</b>	Up to 8Ch DDA1 (Sterile Area/Line Crossing) or Up to 4Ch Face Detection + Recognition or Up to 16Ch Face Recognition (or their combinations)
<b>Face Recognition Rate</b>	36 Faces per second (16Ch supported)

**Bandwidth****Incoming**

768Mbps

# NVR16-128RFAN(3U)

<b>Outgoing</b>	768Mbps
<b>Record/ Main Stream</b>	
<b>Real-Time Recording</b>	128CH 16MP Real-Time
<b>Record Type</b>	Video / Video + Audio
<b>Recording Modes</b>	Schedule, Manual, Motion, Sensor, Analytics, POS and all of its combinations
<b>16MP</b>	3840FPS(NTSC)/3200FPS(PAL)
<b>12MP</b>	3840FPS(NTSC)/3200FPS(PAL)
<b>8MP</b>	3840FPS(NTSC)/3200FPS(PAL)
<b>5MP and lower</b>	3840FPS(NTSC)/3200FPS(PAL)
<b>Master stream over network</b>	Up to 128CH@Recording Resolution
<b>Substream</b>	
<b>Resolution substream</b>	Depends on IPC
<b>Remote view</b>	
<b>Max Channel View</b>	640Ch (Limited to Outgoing Bandwidth Capacity)
<b>Remote Applications</b>	
<b>User Access</b>	128 Users online with Professional Authority Management
<b>Mobile App</b>	Provision Cam2 for iOS/Android
<b>PC/Mac Software</b>	Ossia VMS Standard / Enterprise
<b>Plug-in free Web-Browser</b>	Chrome, FireFox, Safari, Edge, Opera. (All Limited to 4Ch Live View / Playback) *P2P WEB connection always requires Plugin
<b>Plug-in based Web-Browser</b>	Internet Explorer
<b>Playback</b>	
<b>Local</b>	16Ch
<b>Remote</b>	16Ch

<b>Search Mode</b>	DDA Object, Smart Search, LPR, Time-Slice, Time, Event, POS
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## Backup

<b>USB</b>	2 USB 2.0 Port + 1 USB 3.0 Port
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<b>Backup Format</b>	AVI (Unencrypted) / Private Format (Encrypted / Unencrypted)
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## Alarm

<b>Alarm-in</b>	24+IPC
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<b>Alarm-out</b>	4+IPC
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## Storage

<b>HDD</b>	16
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<b>HDD Max Capacity</b>	10TB
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<b>E-Sata Support</b>	2
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<b>Total HDD Max Capacity</b>	180TB
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<b>RAID</b>	Yes (0/1/5/6/10)
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## PTZ

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

<b>Ethernet</b>	2x1000/100/10Mbps self-adaptive Ethernet interface with Fault Tolerance / Dual Network Configuration
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<b>Protocols</b>	TCP/IPv4/IPv6, DHCP, DDNS, NTP, SMTP, SSL/TLS, UPnP, P2P, RTSP, FTP, HTTPS, 820.1X, SNMP, Auto Report Input + Output (Ossia VMS)
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<b>ONVIF</b>	Full Device Support (Profile T/G, ONVIF Version 20.12)
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## PoE

<b>PoE Ports</b>	N/A
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# NVR16-128RFAN(3U)

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

<b>Others</b>	
<b>Power Supply</b>	AC100-240V
<b>Power consumption (No HDD)</b>	50W
<b>Dimension</b>	W437xD483xH143mm
<b>Operation Temperature</b>	0°C~50°C