NVR16-128RFAN(3U)

128CH 16MP Face Recognition NVR with alarms, RAID support, and NDAA compliance

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

4xHDMI Video Outputs | VGA Video Outputs | 8K Resolution | Audio IN | Audio OUT

Alarm IN | Alarm OUT | RAID Storage | 16 HDD | Face Recognition

DDA VIDEO ANALYTICS Analytics | AI ENGINE Analytics | x2 Ethernet | P2P

NDAA | face recognition | POWER OVER ETHERNET | AI ENGINE

MAIN FEATURES

Video:
- Input: 128 Channel Support
- 128 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: 768Mbps
- Outgoing: 768Mbps

Decoding Support:
- H.265S/H.265+/H.265/H264

Analytics:
- Camera Tampering, DDA Search, 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 Recognition, LPR, Thermal, Crowd Gathering, People Intrusion
- 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 v1.4.13.88618_RD260624 and are subject to firmware version changes.

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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	128Ch Over Network
Output	HDMI1 (8K 30/60Hz, 4K, 1080P, 1280x1024) (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)
View Mode	Independent*, Up to 32ch Per Monitor (When enabled, NVR based analytics are disabled)
Fish-Eye Dewarp	VMS + Local (1 at a time) + Web (1 at a time)
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

Record/ Main Stream	
Real-Time Recording	128CH 16MP Real-Time
Record Type	Video / Video + Audio
Recording Modes	Schedule, Manual, Motion, Sensor, Analytics, POS and all of its combinations
16MP	3840FPS(NTSC)/3200FPS(PAL)
12MP	3840FPS(NTSC)/3200FPS(PAL)
8MP	3840FPS(NTSC)/3200FPS(PAL)

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5MP and lower	3840FPS(NTSC)/3200FPS(PAL)
Master stream over network	Up to 128CH@Recording Resolution

Analytics	
Supported Analytics	Camera Tampering, DDA Search, 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 Recognition, LPR, Thermal, Crowd Gathering, People Intrusion Advanced Face Recognition Mode: Supports 4 Non-AI IPCs and performs face detection and recognition.
Analytics Channels (IPC Based)	128Ch (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) Supported Resolution: 1MP – 4K
Face Recognition Rate	36 Faces per second (16Ch supported)

Bandwidth	
Incoming	768Mbps
Outgoing	768Mbps

Substream	
Resolution substream	Depends on IPC

Remote view	
Max Channel View	640Ch (Limited to Outgoing Bandwidth Capacity)

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 connetion always requires Plugin
Plug-in based Web-Browser	Internet Explorer

Playback	
Local	16Ch
Remote	16Ch

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Search Mode	DDA Object, Smart Search, LPR, 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	
Alarm-in	24+IPC
Alarm-out	4+IPC

Storage	
HDD	16
HDD Max Capacity	10TB
E-Sata Support	2
Total HDD Max Capacity	180TB
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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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	W437xD483xH143mm
Operation Temperature	0°C~50°C

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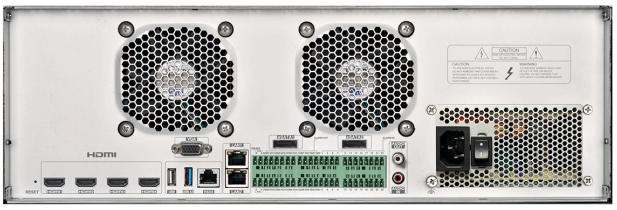
DIMENSIONS