

4K

16CH 1U 16PoE
2HDDs Lite Network Video Recorder



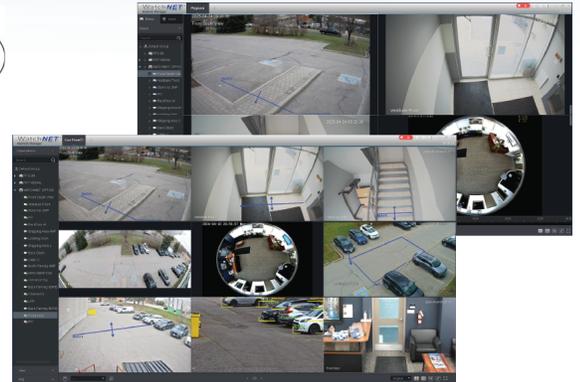
ENI-16POE



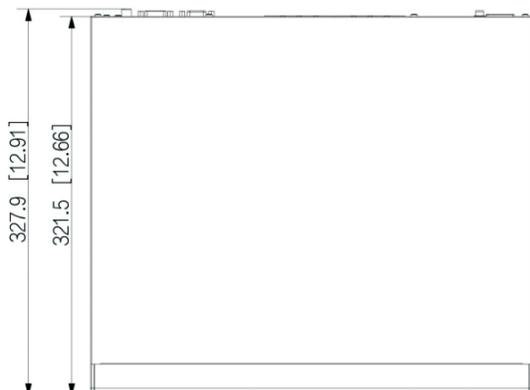
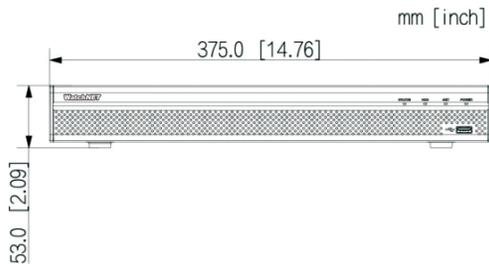
Features:



- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 8 × 1080p@30 fps or 2 × 8 MP@30 fps.
- Max. 160/160/80 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- AI by Recorder supports 4-channel SMD Plus.
- AI by Camera supports face detection and recognition, perimeter protection, SMD Plus, people counting, stereo analysis and heatmap.
- Supports EPTZ, and one-click arming and disarming.

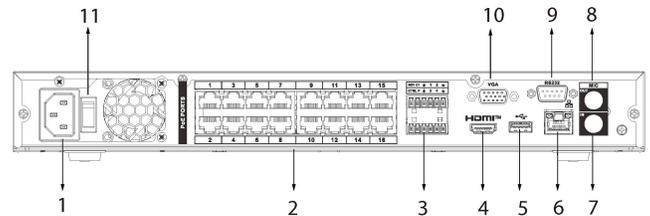


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iPhone

Android



- | | |
|---------------------------|----------------------------|
| 1 Power Input | 2 PoE Ports |
| 3 Alarm In/Out | 4 HDMI Port |
| 5 USB Port | 6 Network Port |
| 7 AUDIO IN, RCA Connector | 8 AUDIO OUT, RCA Connector |
| 9 RS-232 Port | 10 VGA Port |
| 11 Power Switch | |

Technical Specifications	
System	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operation Interface	Web, Local GUI
AI	
AI by Recorder	SMD
AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
Perimeter Protection	
Perimeter Performance of AI by Camera (Number of Channels)	6 channels
Face Detection	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance of AI by Camera (Number of Channels)	6 channels
Face Recognition	
Face Recognition Performance of AI by Camera (Number of Channels)	6 channels
SMD Plus	
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
SMD Plus by Camera	All channels
Audio and Video	
Access Channel	16 channels
Network Bandwidth	AI disabled: 160 Mbps incoming, 160 Mbps recording and 80 Mbps outgoing AI enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing
Resolution	12 MP;8 MP;6 MP;5 MP;4 MP;3 MP;1080p;720p;960p;D1;CIF;QCIF
Decoding Capability	AI disabled: 1-channel 12 MP@30 fps; 2-channel 8 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 8-channel 1080p@30 fps AI enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 7-channel 1080p@30 fps
Multi-screen Display	Main Screen: 1/4/8/9/16 Sub Screen: 1/4/8/9/16

Video Output	1 HDMI, 1 VGA Simultaneous : HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous : HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Hanwha
Compression Standard	
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264
Audio Compression	G.711a; G.711u; PCM; G726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 23.12 (Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Multi-channel Playback	Up to 16 channels
Record Mode	General, motion detection; intelligent; alarm
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm
Anomaly Alarm	Camera disconnection; storage error; disk full; IP conflict; MAC conflict; login locked; and cybersecurity exception
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email
Port	
Audio Input	1-channel RCA
Audio Output	1-channel RCA
Alarm Input	4 channels
Alarm Output	2 channels (1-channel 12 V 1 A output)

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Disk Interface	2 SATA port. Each disk can contain up to 20 TB. This limit varies depending on the environment temperature.	
RS-232	1	
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)	
HDMI	1	
VGA	1	
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)	
PoE Port	16 ports, 10/100 Mbps, IEEE 802.3 af/at	
General		
Power Supply	100–240 VAC, 50/60 Hz	
Power Consumption	Total output of NVR is <10 W(without HDD) Total output power of PoE is 130W,the maximum output power of a single port is 25.5W	
Net Weight	2.60 kg (5.73 lb)	
Gross Weight	3.80 kg (8.38 lb)	
Product Dimensions	375.0 mm × 327.9 mm × 53.0 mm (14.76" × 12.91" × 2.09") (W × D × H)	
Packaging Dimensions	451.0 mm × 147.0 mm × 425.0 mm (17.76" × 5.79" × 16.73") (W × D × H)	
Operating Temperature	–10 °C to +55 °C (14 °F to +131 °F)	
Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)	
Operating Humidity	10%–93% (RH), non-condensing	
Installation	Rack or desktop	
Certifications	CE-EMC: EN 55032:2015+A1:2020; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021; EN 55035:2017+A11:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014	
Ordering Information		
Type	Model	Description
NETWORK VIDEO RECORDER	ENI-16POE	16CH 1U 16PoE 2HDDs Lite Network Video Recorder

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