WatchNET®

Security Since 2000

ENI-04POE

4K

4CH Compact 1U 4PoE
1HDD Lite Network Video Recorder

ENI-04POE

PoE | HDMI | Linux | | H.265 | H.264 | SATA | VGA | AI Motion | Face Detection | Counting | Line Crossing | Intrusion | Heat Map

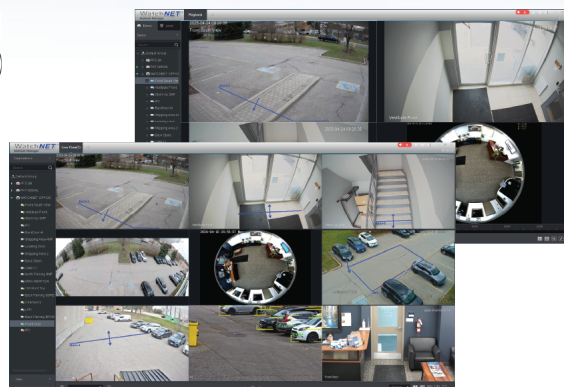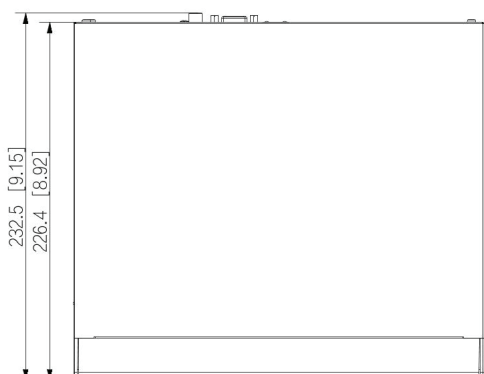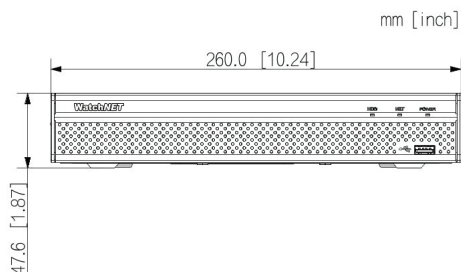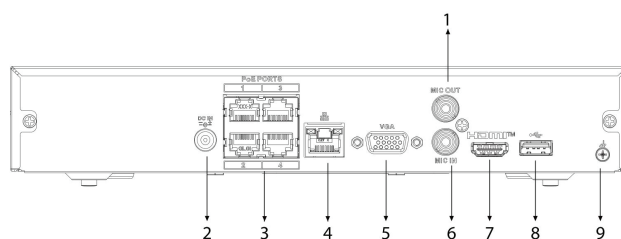## Features:

CE IC

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 8 × 1080p@30 fps or 4 × 4 MP@30 fps.
- Max. 80/80/60 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- AI by Recorder supports 4-channel SMD.
- AI by Camera supports face detection and recognition, perimeter protection, SMD, people counting, stereo analysis and heat map.
- Supports EPTZ, and one-click arming and disarming.

4 Ports PoE Built-in

FREE Multisite VMS software
Download from www.watchnetinc.com

ONVIF

 iPhone   Android Phone

mm [inch]

260.0 [10.24]

47.6 [1.87]

232.5 [9.15]
226.4 [8.92]

1	AUDIO OUT, RCA Connector	2	Power Input
3	PoE Ports	4	Network Port
5	VGA Port	6	AUDIO IN, RCA Connector
7	HDMI Port	8	USB Port
9	Ground		

www.watchnetinc.com

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; people counting; stereo analysis; heat map

Perimeter Protection

Perimeter Performance of AI by Camera (Number of Channels)	4 channels

Face Detection

Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance of AI by Camera (Number of Channels)	All channels (4 targets/s)

Face Recognition

Face Recognition Performance of AI by Camera (Number of Channels)	All channels (4 targets/s)

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 (8 targets/s)

Audio and Video

Access Channel	4 channels
Network Bandwidth	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; 2-channel 6 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps AI enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 6 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps
Multi-screen Display	Main Screen: 1/4 Sub Screen: 1/4

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 4 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

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	NA
Alarm Output	NA
Disk Interface	1 SATA port. Each disk can contain up to 20 TB. This limit varies depending on the environment temperature.

USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
PoE Port	4 ports, 10/100 Mbps, IEEE 802.3 af/at
General	
Power Supply	53 VDC, 1.22 A
Power Consumption	Total output of NVR is <10 W (without HDD) Total output power of PoE is 36 W, the maximum output power of a single port is 25.5 W
Net Weight	0.87 kg (1.92 lb)
Gross Weight	1.72 kg (3.79 lb)
Product Dimensions	260.0 mm × 232.5 mm × 47.6 mm(10.24" × 9.15" × 1.87") (W × D × H)
Packaging Dimensions	374 mm × 119 mm × 311 mm (14.72" × 4.69" × 12.24") (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
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 CELVD: EN 62368-1:2014

Ordering Information

Type	Model	Description
NETWORK VIDEO RECORDER	ENI-04POE	4CH Compact 1U 4PoE 1HDD Lite Network Video Recorder