EN-32AI

32 Channel AI Network Video Recorder with 1.5U & 4 HDD

| H.265+ | Face Detection | Face Recognition | Fenced Area Protection | Intrusion | HDMI |
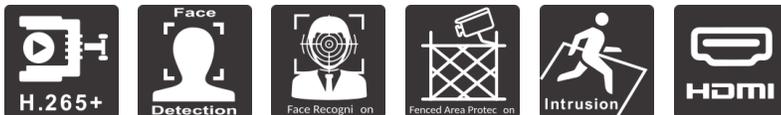
KEY FEATURES:

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).
- Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.
- AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel Smart Motion Detection Plus.
- AI by Camera: Face detection and recognition, perimeter protection; Smart Motion Detection Plus; LPR; people counting; stereo analysis; heat map.
- Connected to the third-party network cameras.
- 4 SATA ports each supports up to 16 TB. The maximum HDD capacity varies with environment temperature.

SYSTEM	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI

AI	
AI by Recorder	Face detection; face recognition; perimeter protection; Smart Motion Detection Plus
AI by Camera	Face detection; face recognition; perimeter protection; Smart Motion Detection Plus; ANPR; people counting; stereo analysis; heat map

PERIMETER PROTECTION	
Perimeter Performance AI by Recorder (Number of Channels)	2 Channels. 10 IVS rules for each channel
Perimeter Performance of AI by Camera (Number of Channels)	8 channels

FACE DETECTION	
Face Attributes	Gender, age group, glasses, expressions, face mask, beard
Face Detection Performance of AI by Recorder (Number of Channels)	1 channel (up to 12 face images/s each channel)
Face Detection Performance of AI by Camera (Number of Channels)	8 channels

FACE RECOGNITION	
Face Database Capacity	Up to 10 face databases with 200,00 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.
Face Recognition Performance of AI by Recorder (Number of Channels)	8-channel FD (by camera) + FR (by recorder),image stream: 12 face images/s 1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s
Face Recognition Performance of AI by Camera (Number of Channels)	8 channels

SMART MOTION DETECTION PLUS	
Smart Motion Detection Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
Smart Motion Detection Plus by	8 channels

VEHICLE LICENSE PLATE COMPARISON	
ANPR by Camera (Number of Channels)	4 channels
License Plate Database Capacity	1. Create up to 20,000 plate numbers. 2. Blocklist and allowlist

AUDIO AND VIDEO	
Access Channel	32 channels
Network Bandwidth	AI disabled: 256 Mbps incoming, 256 Mbps recording and 256 Mbps outgoing AI enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing
Resolution	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF
Decoding Capability	AI disabled: 2-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 6-channel 5 MP@30 fps; 8-channel 4 MP@30 fps; 16-channel 1080p@30 fps AI enabled: 1-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 3-channel 8 MP@30 fps; 4-channel 5 MP@30 fps; 6-channel 4 MP@30 fps; 12-channel 1080p@30 fps
Video Output	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
Third-party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon

| COMPRESSION STANDARD	
Video Compression	Smart H.265+, H.265 Smart H.264+ H.264 MJPEG
Audio Compression	G.711a; G.711u; PCM; G726

NETWORK	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Support WatchNET IP camera; DVR; NVS; etc.); P2P; auto register
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 22.06(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE9 and later; 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
HDD Interface	4 SATA ports each supports up to 16 TB. The maximum HDD capacity varies with environment temperature.

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; Smart Motion Detection 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	16 channels
Alarm Output	4 channels
RS-232	1
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)

GENERAL	
Power Supply	100–240 VAC, 50-60Hz
Power Consumption	<10 W(without HDD)
Net Weight	4.25 kg (10.63 lb)
Gross Weight	6.35 kg (14.00 lb)
Product Dimensions	440.0 mm × 415.6 mm x 76.0 mm (17.32" × 16.36" × 2.99") (W × D × H)
Packaging Dimensions	529.0 mm × 499.0 mm x 211.0 mm (20.83" × 19.65" × 8.31") (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)
Installation	Rack or desktop
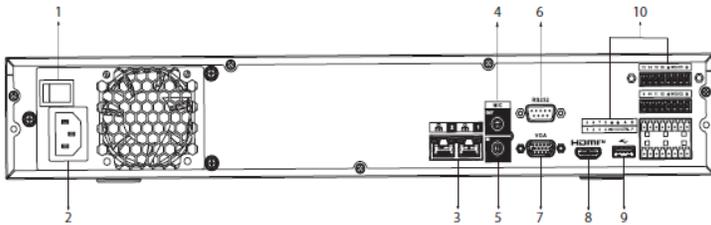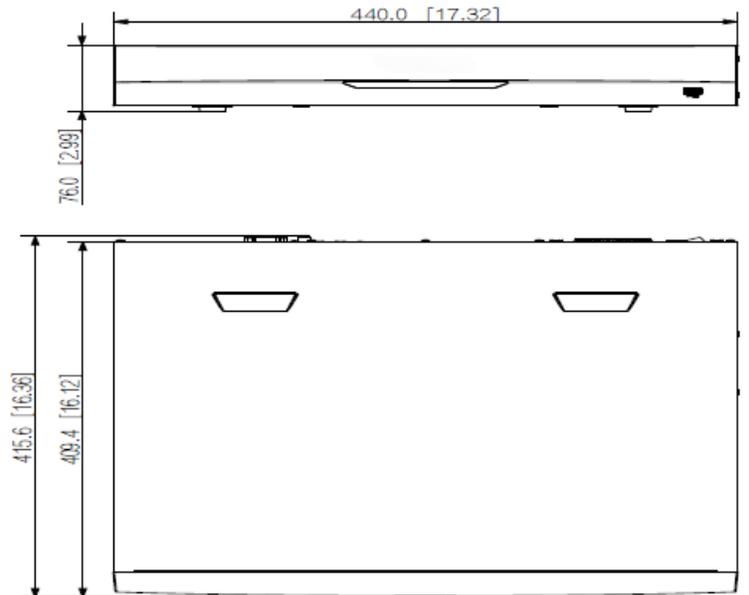
1	Power Switch	2	Power Input
3	Network Ports	4	MIC OUT, RCA Connector
5	MIC IN, RCA Connector	6	RS-232 Port
7	VGA Port	8	HDMI Port
9	USB Port	10	Alarm In/Out

WatchNET

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