

WatchNET®

Security Since 2000

High Capacity
NVR



4K

ENR3-32AI

32 Channel 1.5U 4HDDs AI Network Video Recorder

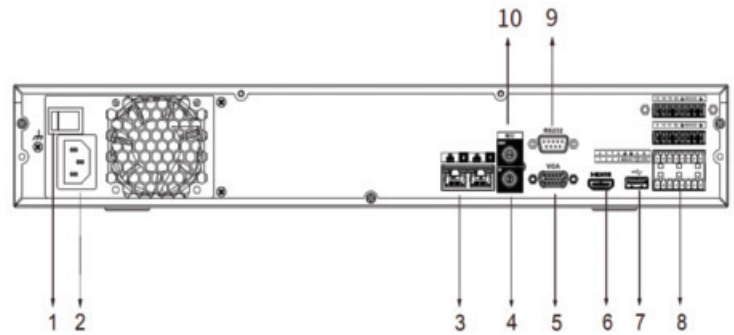
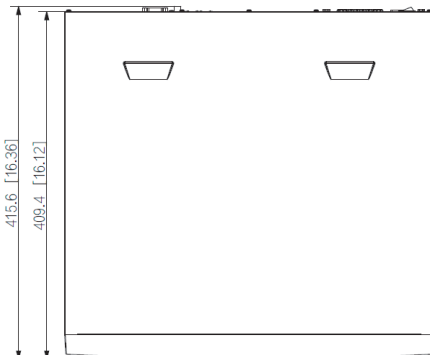
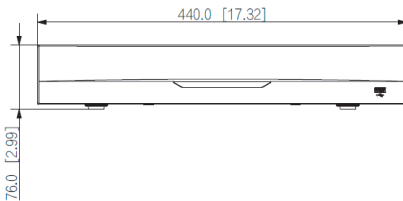


CE FCC Features:

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format
- Access, storage or forwarding at 256 Mbps (160 Mbps when AI function enabled)
- Max. decoding capability: 10 × 1080p@30 fps. Supports adaptive decoding
- Security baseline 2.1
- **AI by NVR:**
 - 1-channel face detection and recognition;
 - 2-channel fenced area protection;
 - Up to 10 face databases and 20,000 face images;
 - 4-channel AI Motion
- **AI by Camera:**
 - Face detection and recognition, fenced area protection;
 - AI Motion; ANPR; people counting; stereo analysis; heat map



FREE Multisite VMS software
Download from www.watchnetinc.com



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

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Model	ENR3-32AI
System	
Main Processor	Industrial-grade embedded processor
Operating System	Embedded LINUX
Operation Interface	Web; local GUI
AI	
AI by Camera	Face detection; face recognition; fenced area protection; AI Motion; ANPR; people counting; stereo analysis; heat map
AI by Device	Face detection; face recognition; fenced area protection; AI Motion
Fenced Area Protection	
Fenced Area Performance AI by Device (Number of Channels)	2
Fenced Area Performance AI by Camera (Number of Channels)	8
Face Detection	
Face Attributes	6 attributes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
Face Detection Performance of AI by Device (1080P) (Number of Channels)	1 (up to 12 face images/second)
Face Detection Performance of AI by Camera Number of Channels)	8
Face Recognition	
Face Database Capacity	Up to 10 face databases with 20,000 images
Face Recognition Performance of AI by Device (1080P) (Number of Channels)	1 (up to 4 face images/second)
Face Recognition Performance of AI by Camera (Number of Channels)	8
AI Motion	
AI Motion by Device	4
AI Motion by Camera	16-channel AI Motion (AI by camera): Detects line crossing and intrusion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness
ANPR	
ANPR by Camera	4
Video	
Access Channel	32 channels
Network Bandwidth	AI off: Access: 256 Mbps; Storage: 256 Mbps; Forward: 256 Mbps AI on: Access: 160 Mbps; Storage: 160 Mbps; Forward: 160 Mbps
Resolution	16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1
Decoding Capability	AI off: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 4 channels × 5MP@30 fps; 5 channels × 4MP@30 fps; 10 channels × 1080p@30 fps AI on: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 3 channel × 5MP@30 fps; 4 channels × 4MP@30 fps; 8 channels × 1080p@30 fps

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Video Output	1CH VGA output and 1CH HDMI output; 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
Compression	
Video	Smart H.265+; Smart H.264+; H.265; H.264; MJPEG
Audio	PCM; G.711A; G.711U; G.726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; 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	Android; iOS
Interoperability	ONVIF(profile T/S/G); CGI; SDK
Browser	Chrome; IE9 or later; Firefox
Record Playback	
Multi-channel Playback	Up to 16 channels
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent)
Storage Method	Local HDD; network
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file); partially enlarge; audio on/off
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 cyber security exception
Intelligent Alarm	Face detection; face recognition; perimeter protection; AI Motion; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email
External Port	
HDD	4 SATA ports, up to 10 TB. The maximum HDD capacity varies with environment temperature
USB	1 front USB 2.0 port, 1 rear USB 3.0 port
HDMI	1 (max. resolution: 4K)
VGA	1
Network	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports
RCA Input/Output	1 / 1
Alarm Input/Output	16 / 6
RS-232	1 channel, used to debug and pass through serial data
RS-485	1 channel, used to control PTZ, and it supports multiple protocols
General Parameter	
Power Supply	Single, 100 V–240 V AC, 50 Hz–60 Hz
Power Consumption	Total output of NVR is ≤ 8 W (without HDD)
Net/Gross Weigh	4.25kg (9.35lb) / 6.48kg (14.41lb)
Product Dimensions (W x L x H)	440.0mm x 415.6mm x 76.0mm (17.32" x 16.36" x 2.99")
Package Dimensions (W x L x H)	529.0mm x 499.0mm x 211.0mm (20.83" x 19.65" x 9.31")
Operating Conditions	–10°C to +55°C (+10°F to +131°F)
Storage Conditions	0°C to +40°C (32°F to 104°F)
Operating Humidity	10%–93%
Storage Humidity	30%–85%
Operating Altitude	3,000m (9,843ft)
Installation	Desktop/Rack mount

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