



# 4K



ENR2-32AI

### 32 Channel 1.5U AI Network Video Recorder



#### Features:

- 32 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 4 Channel fenced area protection
- Up to 2 Channel video stream face recognition/  
8 channel picture stream face recognition (with face detection camera)
- 4 SATA III Ports, Up to 8 TB capacity for each HDD
- Up to 12 face pictures/sec processing
- Up to 10 face databases with 20,000 face images in total
- Multiple network monitoring:  
WatchNET VMS, MVS Pro mobile & Web Viewer

#### AI Features:

- Face Detection
- Face Recognition
- Line Crossing
- Fenced Area Protection
- Plus more when using AI Cameras dependant on model



iPhone



Model	ENR2-32AI	
System	Main Processor	Multi-core embedded processor
	Operating System	Embedded LINUX
Fenced Area Protection	Performance	4 channel, 10 IVS rules for each channel
	Object classification	Human/Vehicle secondary recognition for Line Crossing and intrusion
	AI Search	Search by target classification (Human, Vehicle)
Face Recognition	Performance	Max 12 face pictures /sec processing 2 channel video stream face recognition / 8 channel picture stream face recognition (with face detection camera)
	Stranger Mode	Detect strangers' faces(not in device's face data base). Similarity threshold can be set manually
	AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image
	Database Management	Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries&regions and state can be added to each face picture
	Database Application	Each database can be applied to video channels independently
	Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.
	Audio and Video	IP Camera Input
Two-way Talk		1 Channel Input, 1 Channel Output, RCA
Display	Interface	1 HDMI,1 VGA
	Resolution	HDMI/VGA: 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
	Decoding Capability	2-ch@8MP(30fps), 8-ch@1080P(30fps)
	Multi-screen Display	1/4/8/9/16
Recording	Bandwidth	200Mbps (80Mbps when AI function enabled, based on WatchNET private protocol)
	Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
	Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
	Record Mode	Manual, Schedule (Continuous, MD(Motion Detection) , Alarm, IVS)
	Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Network	Interface	2 RJ-45 Port (10/100/1000Mbps)
	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP,RTSP, UDP,SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Center, IP Search (Support WatchNET IP camera, DVR, NVS, etc.), P2P
	PoE	N/A
	Max. User Access	128 users
	Interoperability	ONVIF (Profile S), SDK, CGI
Video Detection and Alarm	Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips
	Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering and Scene Change
	Alarm input	16 Channel
	Relay Output	4 Channel
Playback and Backup	Sync Playback	1/4/9/16
	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
	Backup Mode	USB Device/Network
Storage	Internal HDD	4 SATA III Ports, Up to 8 TB capacity for each HDD
	eSATA	N/A
Auxiliary Interface	USB	2 USB Ports (1 Rear USB 3.0, 1 Front USB 2.0)
	RS232	1 port, For PC communication & Keyboard
	RS485	1 Port, for PTZ Control
Electrical	Power Supply	Single, AC100-240V, 1.9A
	Power Consumption	NVR: <7.0W (Without HDD)
Construction	Dimensions	1.5U, 440mm x 405mm x 76.8mm (17.3" x 15.9" x 3.0")
	Net Weight	4.3kg (9.5 lb) (without HDD)
	Gross Weight	6.3kg (13.9 lb) (without HDD)
Environmental	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH

*\* All product names, logos and brands are property of their respective owners. All company products and service names used on this box/website/brochure are for identification purposes only. Use of these names, logos and brands does not imply endorsement. 2019 WatchNET Inc. © All Rights Reserved All product specifications are subject to change without notice.*

**CANADA:**  
351 Ferrier Street, Unit 5  
Markham, ON L3R 5Z2  
Toll Free: 1-866-843-6865  
Tel: 416-410-6865

**USA:**  
171 Cooper Ave. Suite 110  
Tonawanda, NY 14150 USA  
Toll Free: 1-866-843-6865  
Local: 1-716-877-7277

Oct. 03, 2019

[info@watchnetinc.com](mailto:info@watchnetinc.com)  
[www.watchnetinc.com](http://www.watchnetinc.com)

**INDIA:**  
RZ- 2, Ground Floor  
Kapashera  
Opp Kapashera Police Station  
New Delhi-110037  
Tel/Fax: + 91 11 25060481

**UAE:**  
P O Box 126312  
No 703, Oxford Towers  
Business Bay  
Dubai, UAE  
Tel: + 971 4 2767117