

# WatchNET®

Security Since 2000

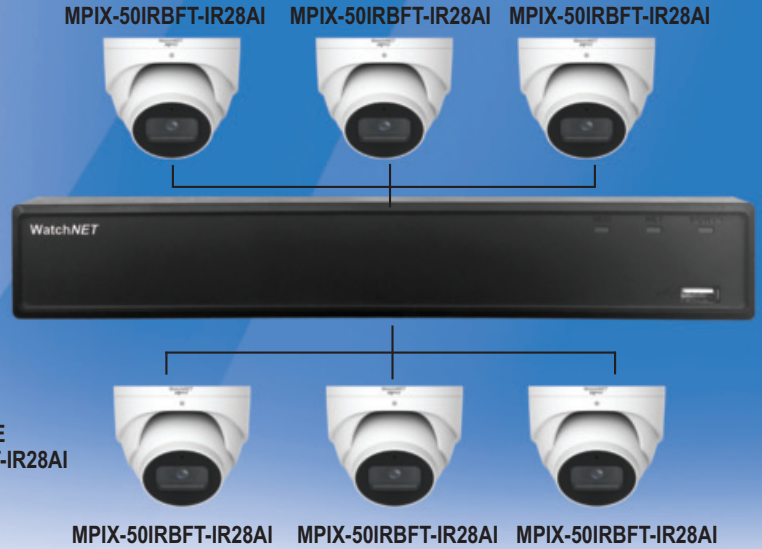
**Fast Pack**  
**ENM-08KIT6-50IRBFT**

# 4K



ENMR2-08POE

Kit Contains:  
1 – ENMR2-08POE  
6 – MPIX-50IRBFT-IR28AI  
1 – USB Mouse



## Easy auto enroll / plug & play with built-in POE

- Includes everything you need – Just add Ethernet
- 8 Ch Embedded NVR with 2TB HDD plus 6x 5.0MP Turret Camera
- Plug and Play Setup with Camera Auto Enroll Feature
- Free DDNS, VMS Software, User-Friendly GUI and Web Server



### NVR Features:

#### 8 Channel with 8 PoE Network Video Recorder

- ❖ Embedded LINUX OS
- ❖ 8 CH Compact 1U Standalone NVR, **8 PoE Ports Built-in**
- ❖ IP camera support up to 8 channel total
- ❖ H.265/H.264 codec decoding
- ❖ Max 80Mbps Incoming Bandwidth
- ❖ 1 SATA III Port, Up to 10 TB
- ❖ Up to 8MP Resolution for Preview and Playback
- ❖ ONVIF Profile conformance
- ❖ 3D intelligent positioning with WatchNET PTZ camera
- ❖ Multiple network monitoring: Web viewer, HD VMS & MVS Pro

**8 Port POE Built-in**



FREE Multisite VMS software  
Download from [www.watchnetinc.com](http://www.watchnetinc.com)

### Camera Features:

#### 5MP, 1/2.7" CMOS image sensor, low illuminance

- ❖ 2.8 mm fixed lens
- ❖ Outputs max. 5MP (2592 × 1944)@20 fps
- ❖ Built-in IR LED, max. IR distance: 50m/164ft
- ❖ H.265 triple-stream encoding
- ❖ Micro SD Card (Support max. 256GB), IP67
- ❖ 12V DC/PoE (802.3af)
- ❖ -40°C ~ +60°C (-40°F ~ +140°F)
- ❖ **AI Functions:**
  - Fenced Area protection
  - AI Motion Detection
  - Line Crossing (Person & Vehicle Classification)



Model	ENMR2-08POE
Operating System	Embedded LINUX
Main Processor	Quad-core embedded processor
<b>Display</b>	
Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Interface	1 HDMI (4K support on HDMI only), 1 VGA
Display Split	1/4/8/9
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
<b>Video &amp; Audio</b>	
IP Camera Input	8
Two-way Talk	1channel Input, 1channel Output, RCA
Video Detection and Alarm	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips
Alarm Input/Output	N/A
<b>Recording</b>	
Compression	H.265 / H.264
Record Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Rate	80Mbps
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Record Mode	Manual, Schedule, Regular (Continuous), MD, Alarm, Stop
<b>Playback &amp; Backup</b>	
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Playback Channel	1/4
Backup Mode	USB Device / Network
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
<b>Storage</b>	
Internal HDD	1 SATA III Port, Up to 10 TB
<b>Auxiliary Interface</b>	
USB Interface	2 USB Ports (2 USB2.0)
RS232	N/A
RS485	N/A
<b>Network</b>	
Ethernet	1 RJ-45 Port (10/100Mbps)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, NVR, NVS, Easy4ip
PoE	8 ports (IEEE802.3at/af) (4Mbps is recommended per channel)
Max. User Access	128 users
Smart Phone	iPhone, Android
<b>General</b>	
Power Supply	DC48V/1.5A
Power Consumption	NVR:<7.5W (Without HDD), PoE:Max 25.5W for single port, 50W in total
Working Environment	-10°C ~ +55°C / +14°F ~ +131°F / 10~90%RH / 86~106kpa
Dimension (W×D×H)	Compact 1U, 260mm x 224.9mm x 47.6mm (10.2" x 8.9" x 1.9")
Net/Gross Weight	0.8kg (1.76 lb) (without HDD) / 1.6kg (3.53 lb) (without HDD)

Model	MPIX-50IRBFT-IR28AI
<b>Camera</b>	
Image Sensor	1/2.7" 5Megapixel progressive CMOS
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	0.005 Lux@F1.6
RAM / ROM	128 MB / 512 MB
Electronic Shutter	Auto/Manual 1/3 s~1/100000 s
IR Distance	Up to 50m (164ft)
IR On/Off Control	Auto / Manual
IR LEDs	2
Close Focus Distance	0.9m/3ft
Angle of View	Horizontal: 98°; Vertical: 72°; Diagonal: 130°
Lens	Fixed 2.8mm
Max Aperture	F1.6
Mount Type	M12
<b>Professional Intelligence</b>	
Fenced Area Protection	Line Crossing, Intrusion (Human & Vehicle classification)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
<b>Audio</b>	
Audio Compression	G.711a; G.711Mu; G726; AAC
<b>Video</b>	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG
Image Resolution	<b>5M</b> (2592 × 1944); <b>4M</b> (2688 × 1520); <b>3M</b> (2304 × 1296); <b>1080p</b> (1920 × 1080); <b>1.3M</b> (1280 × 960); <b>720p</b> (1280 × 720); <b>D1</b> (704 × 576/704 × 480); <b>VGA</b> (640 × 480); <b>CIF</b> (352 × 288/352 × 240)
Frame Rate	<b>Main Stream:</b> (2592 × 1944@1~20 fps) (2688 × 1520@1~25/30 fps) <b>Sub Stream:</b> (704 × 576@1~25 fps/704 × 480@1~30 fps) <b>Third Stream:</b> 1280 × 720@1~25/30 fps
Bit Rate Control	CBR/VBR
BLC Mode	BLC / HLC / WDR(120dB)
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP; Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Interoperability	ONVIF(Profile S/Profile G/Profile T); P2P
Max. User Access	20 (Total bandwidth: 64M)
<b>Environmental</b>	
Casing	Metal
Ingress Protection	IP67
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<8.1W
OperatingTemp./Hum.	-40°C ~ +60°C / -40°F ~ +140°F, Less than 95% RH
Dimensions Net/Gross weight	99.1 mm × Φ121.9 mm (3.9" × Φ4.8") 480 g (1.05 lb) / 660 g (1.45 lb)

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