

4K



ENMR2-16POE

Kit Contains:
1 – ENMR2-16POE
8 – MPIX-40IRBF-K28
1 – USB Mouse



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

- Includes everything you need – Just add Ethernet
- 16 Ch Embedded NVR with 2TB HDD plus 8 IR 4.0MP Dome Camera
- Plug and Play Setup with Camera Auto Enroll Feature
- Free DDNS, VMS Software, User-Friendly GUI and Web Server



NVR Features:

16 Channel with 16 PoE Network Video Recorder

- ❖ Embedded LINUX OS
- ❖ 16 CH 1U Standalone NVR, **16 PoE Built-in**
- ❖ IP camera support up to 16 channels total
- ❖ H.265/H.264 codec decoding
- ❖ Max 80Mbps Incoming Bandwidth
- ❖ 2 SATA III Port, Up to 8 TB capacity for each HDD
- ❖ 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



Camera Features:

1/3" 4.0Mp CMOS HD IR Dome Network Camera

- ❖ 2.8 mm fixed lens
- ❖ WDR(120dB), Day/Night(ICR), 3DNR, HLC, AGC, BLC
- ❖ Max. IR Distance: 30M/98feet
- ❖ 1/3" 4.0 Megapixel Aptina CMOS image sensor
- ❖ H.265 & H.264 dual-stream encoding
- ❖ 20fps@4M(2688×1520) & 25/30fps@3M(2304×1296)
- ❖ IP67, PoE
- ❖ Support DC12V power supply, PoE (802.3af)(Class 0)
- ❖ Built-in Web server, WatchNET VMS



FREE Multisite VMS software included



Model	ENMR2-16POE
Operating System	Embedded LINUX
Main Processor	Quad-core embedded processor
Display	
Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Interface	1 HDMI (4k support on HDMI only), 1 VGA
Display Split	1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Video & Audio	
IP Camera Input	16
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
Recording	
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	200Mbps
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
Playback & Backup	
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
Storage	
Internal HDD	2 SATA III Port, Up to 8 TB capacity for each HDD
Auxiliary Interface	
USB Interface	2 USB Ports (1 USB2.0, 1 USB3.0)
RS232	N/A
RS485	N/A
Network	
Ethernet	1 RJ-45 Port (10/100/1000Mbps)
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	16 ports (IEEE802.3at/af)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
General	
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <13.2W (Without HDD), PoE: Max 25.5w for single port, 130w in total
Working Environment	-10°C ~ +55°C / +14°F ~ +131°F / 10~90%RH / 86~106kpa
Dimension (W×D×H)	1U, 375mm×327.5mm×53mm (14.8" x 12.9" x2.1")
Net/GrossWeight	2.7kg (6.0 lb) (without HDD) / 4.4kg(9.7lb)(without HDD)

Model	MPIX-40IRBF-K28
Camera	
Image Sensor	1/3" 4Megapixel progressive CMOS
Effective Pixels	2688(H) x 1520(V)
Mini. Illumination	0.08Lux/F2.0(Color,1/3s,30IRE) / 0.3Lux/F2.0(Color,1/30s,30IRE) / 0Lux/F2.0(IR on)
RAM / ROM	512MB / 32MB
S/N Ratio	More than 45dB
Electronic Shutter	Auto/Manual, 1/3(4)~1/100000s
IR Distance	Up to 30m (98ft)
Scanning System	Progressive
IR On/Off Control	Auto / Manual
IR LEDs	12
Close Focus Distance	N/A
Angle of View	H:104°, V:57°
Lens	Fixed 2.8mm
Max Aperture	F2.0 / F2.0
Mount Type	Board-in Type
Video	
Video Compression	H.265+/H.265/H.264+/H.264
Image Resolution	4M(2688x1520/2560x1440)/ 3M(2304x1296)/1080P(1920x1080)/ 720P(1280x720)/D1(704x576/704x480)/ D1/CIF(1 ~ 25/30fps)
Frame Rate	4M(1 ~ 20fps)/3M(1 ~ 25/30fps) / D1/CIF(1 ~ 25/30fps)
Bit Rate	H.265: 12K ~ 8448Kbps / H.264: 32K ~ 10240Kbps
BLC Mode	BLC / HLC / WDR (120dB)
Network	
Ethernet	RJ-45 (10/100Base-T)
Network Functions	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP; FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6; SNMP;QoS;UPnP;NTP
Edge Storage	NAS Local PC for instant recording
Max. User Access	20 Users
Environmental	
Max. IR Distance	30m/98feet
Ingress Protection	IP67
Power Supply	DC12V PoE (802.3af)(Class 0)
Power Consumption	<4.68W
OperatingTemp./Hum.	-30°C ~ +55°C / -22°F ~ +131°F, Less than 95% RH
Dimension Gross weight	Φ108mm x 84.9mm / 4.25" x 3.15" 0.387Kg (0.85lb)

All logos & trade marks represent the registered users only. All rights reserved.
All product specifications on this brochure 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
Fax: 1-866-331-3341

USA:
171 Cooper Ave. Suite 110
Tonawanda, NY 14150 USA
Toll Free: 1-855-404-3193
Local: 1-716-877-7277
Fax: 1-866-331-3341

info@watchnetinc.com
www.watchnetinc.com

INDIA:
RZ- 2, Ground Floor
Kapashera
Opp Kapashera Police Station
New Delhi-110037
Tel/Fax: + 91 11 26816005

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