



2.1MP 25x SENSEFIER IR PTZ AI Network Camera

MPIX-21MP25XIRAIR2

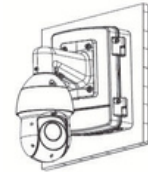
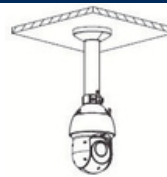


PRODUCT FEATURES

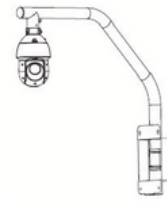
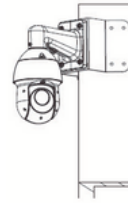
- 1/2.8" CMOS 2.1MP AI Network PTZ Camera
- Powerful 25x optical zoom
- 4.8mm - 120mm Focal Length
- SENSEFIER technology
- IR distance up to 100m/328.08ft
- WDR(120dB), Supports PoE+
- IP66, Micro SD card max 512GB
- iPhone, Android support
- **AI Functions:**
 - Face Detection
 - Fenced Area protection
 - Line Crossing (Person & Vehicle Classification)
 - AI Motion



Pendant Mount	Junction Back Box	Hinged Back Box	Mount Adapter
MPIX-21MP-PEND	BRACK-PTZBB120	BRACK-BB-PTZ	BRACK-CMA-PTZ



Pole Mount	Corner Mount	Parapet Mount	Included Wall Mount Bracket
BRPOLEMXC	BRCORNMXC	BRACK-PTZ-PAR	



Optional Brackets/Power Adapter



FREE Multisite VMS software
Download from www.watchnetinc.com

Model Number MPIX-21MP25XIRAIR2	
Camera	
Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H) x 1080(V), 2.1 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.005 lux@F1.6, B/W: 0.0005 lux@F1.6 0 lux (IR light on)
ROM / RAM	256MB / 1GB
IR Distance	Up to 100m (328.08ft)
IR On/Off Control	Zoom Prio; Manual; Smart IR; Off
IR LEDs	6
Lens	
Focal Length	4.8mm - 120mm
Max. Aperture	F1.6 – F3.5
Angle of View	H: 62.8°–2.6°; V: 33.2°–1.7°; D: 67.3°–3.9°
Optical Zoom	25x
Focus Control	Auto/Semi-Auto/Manual
Iris Control	Auto/Manual
Close Focus Distance	0.1m – 1.5m (0.33ft – 4.92ft)
PTZ	
Pan/Tilt Range	Pan: 0° to 360° endless / Tilt: –15° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1°–200°/s Tilt: 0.1°–120°/s
Preset Speed	Pan: 240°/s; Tilt: 200°/s
Presets	300
PTZ Tour/Pattern/Scan	8 Tour (up to 32 preset per tour), 5 Pattern, 5 Scan
Speed Adjustment	Yes
Power-off Memory	Yes
Idle Motion	Preset; Pattern; Tour; Scan
Artificial Intelligence	
Face Detection	Yes
Fenced Area Protection	Line Crossing, Intrusion. Supports alarm triggering by target types(human and vehicle). Filtering out false alarms caused by animals, rustling leaves, bright lights, etc
Smart Capture	Supports human, motor vehicle and non-motor vehicle image capture
AI Motion	Yes
General Intelligence	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
IVS	IVS Object Abandoned / Object missing
Audio	
Compression	G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G722.1
Dori Distance	Detect Observe Recognize Identify 1655m 654m 331m 165m (5429.79ft) (2145.67ft) (1085.96ft) (541.34ft)

Video	
Compression	Smart H.265+; H.265; Smart H.264+; H.264B; H.264M; H.264H; MJPEG (Sub Stream)
Streaming Capability	3 Streams
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Frame Rate	Main stream: 1080p/1.3 M/720p (1–50/60 fps) Sub stream1: D1/CIF (1–25/30 fps) Sub stream2: 1080p/1.3M/720p/D1/CIF (1–25/30 fps)
Bit Rate Control	VCBR; VBR
Bit Rate	Default resolution of the main stream: H.264: 32 Kbps–8192 Kbps H.265: 32 Kbps–8192 Kbps
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR (120dB)
White Balance	Auto/Indoor/Outdoor/Track/Manual/Sodium lamp/ Natural light/Street lamp
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Yes
Region of Interest	Yes
S/N Ratio	≥ 55 dB
Defog	Electronic
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
Network	
Ethernet	RJ-45 (10/100 Base-T)
Protocol	HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; Qos; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTP; RTCP; PPPoE; RTMP; TCP
Interoperability	ONVIF (Profile S&G&T); CGI
Streaming Method	Unicast / Multicast
User/Host	20 (total bandwidth: 64 MB)
Storage	FTP; Micro SD card (max. 512 GB); NAS
Web Viewer	IE7 and later versions; Chrome; Firefox; Safari
Smart Phone	IOS, Android

Port	
Audio I/O	1/1
Alarm I/O	2 (on-off value input: 0–5 VDC) / 1
Alarm Linkage	Capture; preset; tour; pattern; recording; triggering on-off value output; audio; sending email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; encoder state detection; memory card state detection; memory space detection; power exception detection

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Electrical	
Power Supply	12 VDC/3A±10%, PoE+ (802.3at)
Power Consumption	Basic: 9W, Max.: 23W
Environmental	
Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / ≤ 95%
Ingress Protection	IP66; TVS 6000V lightning proof; surge protection; voltage transient protection
Structure	
Casing	Aluminum alloy ADC12
Dimensions	Φ160 mm × 295 mm (6.30" × 11.61")
Net/Gross Weight	3kg (6.61lb) / 4.8kg (10.58lb)