

# IP4M-1068EW-AI

## Amcrest 4MP 25 Starlight IR Network PTZ Camera

### Technical Specifications

<b>Model</b>	<b>IP4M-1068EW-AI</b>			
<b>Camera</b>				
Image Sensor	1/ 2.8" CMOS			
Pixel	4MP			
Max. Resolution	2560 x 1440			
ROM	128MB			
RAM	512MB			
Scanning System	Progressive			
Electronic Shutter Speed	1/1s-1/30000s			
Minimum Illumination	Color: 0.005lux@F1.6 B/W: 0.0005lux@F1.6Lux (IR on)			
Illumination Distance	328.08ft (IR)			
IR On/Off Control	Zoom Prio; Manual; Smart IR, off			
IR LEDs	6 IR LEDs			
<b>Lens</b>				
Focal Length	5mm – 125mm			
Max. Aperture	F1.6-F3.6			
Optical Zoom	25x			
Field of View	H: 60.0°–2.5°; V: 30.8°–2.2°; D: 66.7°–2.9°			
Close Focus Distance	1.64ft – 16.40ft			
Iris Control	Auto, semi-auto, manual			
DORI Distance	<b>Detect</b>	<b>Observe</b>	<b>Recognize</b>	<b>Identify</b>
	8202.10ft	3239.83ft	1640.42ft	820.21ft
	<b>Note:</b> The DORI distance calculated based on sensor specification and lab test result 62676-4 which defines the criteria for Detect, Observe, Recognize, and Identify.			
<b>PTZ</b>				
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –5° to +90°, auto flip 180°			
Manual Control Speed	Pan: 0.1°/s–240°/s Tilt: 0.1°/s–160°/s			
Preset Speed	Pan: 240°/s; Tilt: 160°/s			
Preset	300			
Tour	8 (up to 32 presets per tour)			
Pattern	5			
Scan	5			
Power-off Memory	Supported			
Idle Motion	Pattern, Preset, Scan, Tour			
<b>AI</b>				
IVS	Tripwire, Intrusion, Abandoned Object, Fast Moving, Parking Detection, Crowd Gathering, Missing Object, Loitering Detection			
Face Detection	Supports face detection, face track box, capturing pictures, face enhancement; Supports face cutout: Face, one-inch photo. Capturing strategies include real-time capturing and quality first.			

SMD	Human and Vehicle Detection
<b>Video</b>	
Compression	H.264/H.265
Streaming Capability	3 Streams
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576); VGA (640 × 480); CIF (352 × 288)
Video Frame Rate	Mainstream: 4M/3M/1080p/1.3M/720p @ (1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 720p/CIF @ (1–25/30 fps)
Bit Rate Control	CBR/VBR
Day/Night	Auto (ICR)/Color/ B/W
Video Bit Rate	H.264: 2816 kbps–13056 kbpsH.265: 1024 kbps–7936 kbps
BLC	Supported
WDR	120 dB
HLC	Supported
White Balance	Auto, indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Motion Detection	Supported
Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view.
S/N Ration	≥55 dB
<b>Audio</b>	
Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; PCM
<b>Network</b>	
Port	RJ-45 (10/100 Base-T)
Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; DDNS; IPv6; SSL; SFTP/FTP; ARP; RTP; IP Filter; RTMP; TCP; SMTP
Interoperability	CGI; SDK; ONVIF (Profile S&G&T); P2P
Streaming Method	Unicast / Multicast
User/Host	20 (total bandwidth: 64 M)
Edge Storage	SFTP/FTP, NAS, MicroSD Card (Up to 512GB)
Management Software	Amcrest Surveillance Pro, Amcrest View Pro (iOS/Android), Amcrest Cloud, Amcrest Blue Iris, most mainstream web browsers including Google Chrome, Mozilla Firefox, Microsoft Edge, Safari, etc.
<b>Port</b>	
Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
Audio I/O	1/1
Alarm Linkage	Capture; preset; recording; send email; audio
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection
<b>General</b>	
Power Supply	12 VDC/2 A ± 10% (included)PoE+ (802.3at)
Power Consumption	Basic: 9.5 W Max.: 21.5 W (illuminator on + fan on + PTZ)
Operating Temperature	–40 °F to +149 °F
Operating Humidity	≤95%
Storage Temperature	–40 °F to +149 °F

Mounting Brackets	<b>Corner Mount:</b> PFA151, <b>Wall Mount:</b> PFB303W, <b>Pole Mount:</b> PFA150
Protection	IP66; TVS 2000 V lightning proof; surge protection; voltage transient protection
Dimensions	6.61" × Ø6.74"
Weight	7.05lbs.

## Dimensions

