

IP8M-2496EW-AI-V3

Amcrest 8MP UltraHD AI Network Security Bullet Camera

Technical Specifications

Model	IP8M-2496EW-AI-V3				
Camera					
Image Sensor	1 2.7" CMOS				
Effective Pixels	3840 (H) x 2160 (V)				
ROM	128 MB				
RAM	256 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000s				
Minimum Illumination	0.0009 lux@F2.0 (B/W, 30 IRE)				
IR Distance	98.4 ft				
IR On/Off Control	Auto/Manual				
IR LEDs	1				
Pan/Tilt/Rotation Range	Pan: 0° - 360°, Tilt: 0° - 90°, Rotation: 0° - 360°				
Lens					
Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	2.8mm				
Max. Aperture	F2.0				
Field of View	106° (H), 56° (V), 125° (D)				
Iris Type	Fixed				
Close Focus Distance	4.27ft				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	288.71ft	115.49ft	57.74ft	28.87ft
<p>Note: The DORI distance calculated based on sensor specification and lab test result 62676-4 which defines the criteria for Detect, Observe, Recognize, and Identify.</p>					
AI Features					
IVS	Tripwire/Intrusion				
Smart Motion Detection	Human/Vehicle Detection				
Video					
Compression	H.265, H.264				
Smart Codec	Supported				
Video Frame Rate	Main stream: 3840 × 2160 @ (1–20 fps)/2688 × 1520 @ (1–25/30 fps) sub stream: 704 × 576@ (1–25 fps)/704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.				
Stream Capability	2 Streams				
Resolution	3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 × 2048); 3072 × 1728 (3072 × 1728); 2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960);				

	720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 12 Kbps–8192 Kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Supported
HLC	Supported
WDR	120dB
White Balance	Auto/natural/streetlamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off/On (4 areas, rectangular)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Supported
Privacy Masking	Up to 4 Areas
Audio	
Built-in Mic	Supported
Audio Compression	AAC, G.711a, G.711Mu, PCM, G.726
Network	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Supported
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; RTMP; RTSP; SFTP; FTP; DHCP; DNS; DDNS; UPnP; NTP, P2P.
User/Host	20
Edge Storage	SFTP, FTP, NAS, MicroSD Card (Up to 256GB)
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.
General	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic: 2.7 W (12 VDC); 3.4 W (PoE) Max. (H.265+ max. resolution + max. stream+ WDR + IR intensity + IVS): 4.5 W (12 VDC); 5.4 W (PoE)
Operating Temperature	-40°F to 140°F
Operating Humidity	≤95%
Storage Temperature	-40°F to 140°F
Storage Humidity	≤95%
Ingress Protection	IP67
Mounting Brackets	Junction Box: AMCPFA130-E or AMCPFA134 Pole Mounting: AMCPFA152-E + AMCPFA130-E
Casing	Metal
Dimensions (L x W x H)	6.50" × 2.92" × 2.76"
Net Weight	1.02 lbs.

Dimensions

