

# IP5M-T1277EB-AI

## Amcrest 5MP IR Fixed-focal AI PoE Camera

### Technical Specifications

<b>Model</b>	<b>IP5M-T1277EB-AI</b>				
<b>Camera</b>					
Image Sensor	1 /2.7" 5 Megapixel Progressive CMOS				
Max. Resolution	2960 (H) × 1668 (V)				
ROM	128 MB				
RAM	512 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000s				
Minimum Illumination	0.005 lux@F1.4 (Color, 30 IRE), 0.0005 lux@F1.4 (B/W, 30 IRE), 0 lux (Illuminator on)				
S/N Ratio	>56dB				
Night Vision Distance	164.04ft (50m)				
IR On/Off Control	Auto/Manual				
Night Vision LEDs	1 IR LED, 1 White Light LED				
Night Vision Mode	IR Mode, White Light (for color night vision), and smart illumination.				
Rotation Range	Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360° (Manual)				
<b>Lens</b>					
Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	2.8mm				
Max. Aperture	F1.4				
Angle of View	H: 110°, V: 58°, D: 129°				
Iris Type	Fixed				
Close Focus Distance	3.61ft (1.1m)				
Dori Distance	<b>Lens</b>	<b>Detect</b>	<b>Observe</b>	<b>Recognize</b>	<b>Identify</b>
	2.8mm	208.66ft	83.33ft	41.67ft	21.0ft
	<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>Video</b>					
Video Compression	H.264				
Video Frame Rate	Mainstream: 2880 × 1620 @ (1–20) fps / 2960 × 1668 @ (1–20) fps / 2688 × 1520 @ (1–25/30) fps Sub stream 1: 704 × 576 @ (1–25) fps / 704 × 480 @ (1–30) fps Sub stream 2: 1920 × 1080 @ (1–25/30) fps				
Stream Capability	3 Streams				
Resolution	5M (2880 × 1620/2960 × 1668); 4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080);				

	1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704×480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 kbps – 8192 kbps
Day/Night	Auto/Color/B/W
BLC	Supported
HLC	Supported
Wide Dynamic Range (WDR)	120 dB
Scene Self-Adaption (SSA)	Supported
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off/On (4 areas, rectangular)
IVS	Tripwire/Intrusion
Smart Motion Detection	Human/Vehicle Detection
Region of Interest (ROI)	Supported (4 areas)
Smart Illumination	Supported
Image Rotation	0°/90°/180°/270° (support 90°/270° with 4MP and lower)
Mirror	Supported
Privacy Masking	Up to 4 Areas
<b>Audio</b>	
Built-in Mic	Supported
Compression	G.711a; G.711Mu; PCM; G.726; G.723
<b>Network</b>	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Supported
Protocol	IPv4, IPv6, HTTP, TCP, UDP, RTSP, TCP, RTMP, SMTP, FTP, DHCP, DDNS, UPnP, NTP
Interoperability	CGI;P2P;Milestone; Genetec
Max. User Access	20 Users (Total Bandwidth: 64MB)
Storage	SFTP, FTP, MicroSD Card (Up to 256GB), NAS
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>General</b>	
Power Supply	12V DC/PoE
Power Consumption	Basic: 4.3 W (12 VDC); 4.9 W (PoE)Max. (WDR + IR intensity + Intelligence): 7.6 W (12 VDC); 8.9 W (PoE)
Operating Conditions	-40°F to 140°F (-40°C to 60°C), Less than 95%
Ingress Protection	IP67
Storage Conditions	-40°F to 140°F (-40°C to 60°C)
Mounting	PFA139, PFB204W, PFA152-E
Material	Metal
Dimensions	3.70" × Φ4.84" (93.9mm x Φ123.0mm)
Net Weight	1.21lbs.