

IP8M-T2699EW-AI

Amcrest 8MP UltraHD AI Network Security Turret Camera

Technical Specifications

Model	IP8M-T2699EW-AI														
Camera															
Image Sensor	1/2.8" 8Megapixel Progressive CMOS														
Effective Pixels	3840 (H) x 2160 (V)														
ROM	128 MB														
RAM	512 MB														
Scanning System	Progressive														
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s														
Minimum Illumination	0.007 Lux @F1.4														
S/N Ratio	> 56 dB														
IR Distance	98.4 ft														
IR On/Off Control	Auto Manual														
IR LEDs	2														
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°														
Lens															
Lens Type	Fixed-Focal														
Mount Type	M12														
Focal Length	2.8mm														
Max. Aperture	F1.4														
Field of View	108° (H), 58° (V), 127° (D)														
Iris Type	Fixed														
Close Focus Distance	4.6ft														
DORI Distance	<table><tr><th>Lens</th><th>Detect</th><th>Observe</th><th>Recognize</th><th>Identify</th></tr><tr><td>2.8mm</td><td>280.5ft</td><td>112.2ft</td><td>56.1ft</td><td>28.2ft</td></tr></table>					Lens	Detect	Observe	Recognize	Identify	2.8mm	280.5ft	112.2ft	56.1ft	28.2ft
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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.															
IVS Features															
Perimeter Protection	Tripwire, Intrusion (Supports the classification and accurate detection of vehicles and humans.)														
Smart Motion Detection	Human and Vehicle Detection Supported														
Video															
Compression	H.265, H.264														
Smart Codec	Supported														
Video Frame Rate	Main Stream: 3840 × 2160 @ (1–20 fps by default), 3840 × 2160 @(1–25/30 fps when AI function disabled) Sub Stream: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps)														

	Third Stream: 1920 × 1080 @ (1–25/30 fps)
Stream Capability	3 Streams
Resolution	8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728/2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536/2304 × 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: 3 kbps–8192 kbps, H.265: 3 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Supported
HLC	Supported
WDR	120dB
Scene Self-Adaption	Supported
White Balance	Auto/natural/streetlamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Region on Interest (ROI)	Supported
Smart Illumination	Supported
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 Microphone	Supported
Audio Compression	G.711a; G.711Mu; G726; AAC
Network	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Supported
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; UPnP; NTP; PPPoE
Interoperability	CGI; P2P; Milestone; Genetec
User/Host	20 (Total bandwidth: 72 M)
Edge Storage	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, etc.
General	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic power consumption: 2.6W (12V DC); 3.3W (PoE) Max. power consumption (WDR + H.265 + IR LED intensity): 6.9W (12V DC); 7.9W (PoE)
Operating Conditions	-40°F to 140°F
Ingress Protection	IP67
Storage Conditions	-40°F to 140°F
Casing	Metal
Dimensions (L x W x H)	3.8" × Φ4.7" (99.1mm × Φ121.9mm)
Net Weight	1.1 lbs.

