

IP2M-863EW-AI-V2

Amcrest 2MP ProHD PoE+ Smart AI Speed Dome PTZ Camera

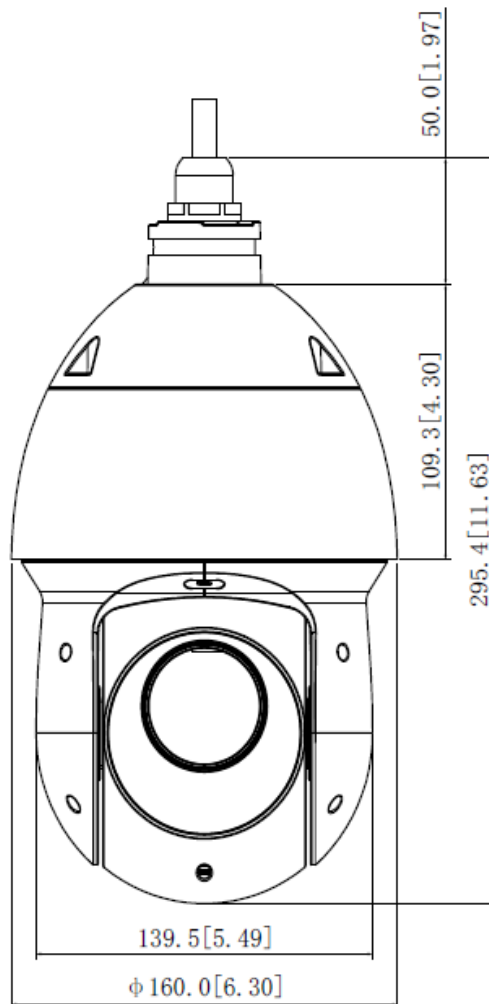
Technical Specifications

Model	IP2M-863EW-AI-V2				
Camera					
Image Sensor	1/2.8" CMOS				
Effective Pixels	2MP (1920 (H) x 1080 (V))				
RAM	1GB				
ROM	256MB				
Electronic Shutter Speed	1/1 s–1/30,000 s				
Scanning System	Progressive				
Minimum Illumination	0.0005Lux@F1.60Lux@F1.6 (IR light on)				
Wide Dynamic Range	120 dB				
Illumination Distance	328.08 ft (100m)				
Illuminator On/Off Control	Zoom Prio/Manual/SmartIR/Off				
Illuminator LEDs	6				
Lens					
Focal Length	4.8mm – 120mm				
Max. Aperture	F1.6-F3.5				
Field 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				
Close Focus Distance	0.33ft – 4.92ft (0.1m – 1.5m)				
Iris Control	Auto/Manual				
DORI Distance	Detect	Observe	Recognize	Identity	
	5429ft (1655m)	2145ft (654m)	1085ft (331m)	541ft (165m)	
PTZ					
Pan/Tilt Range	Pan: 0°–360° (endless)Tilt: -15°–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				
Tour	8 (up to 32 presets per tour)				
Pattern/Scan	5				
Speed Adjustment	Support				
Power-off Memory	Support				
Idle Motion	Preset/Tour/Pattern/Scanning				
Protocol	DH-SDPelco-P/D (auto recognition)				
General Intelligence					
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly				

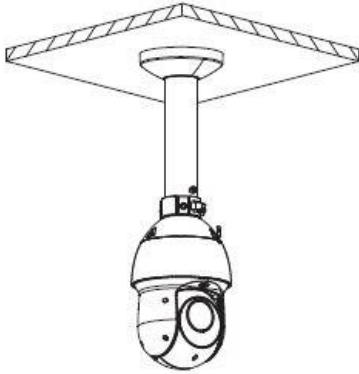
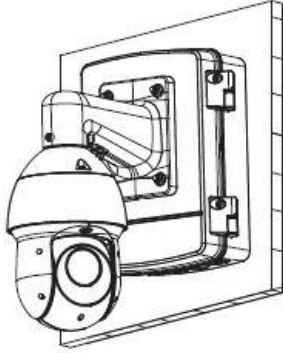
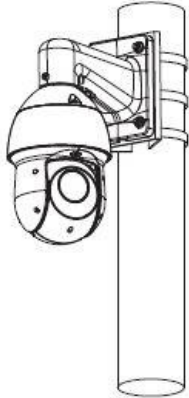
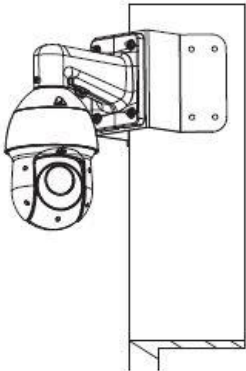
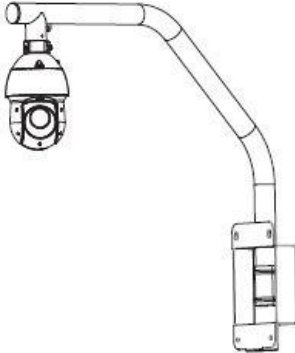
IVS	Tripwire/Intrusion/Object Abandoned/ Object Missing
Artificial Intelligence	
Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
Smart Motion Detection	Human/Vehicle Detection
Face Detection	Supported
Video Metadata	People/Non-Motor Vehicle/Motor Vehicle
Video	
Compression	H.264
Streaming Capability	2 Streams
Resolution	1080P (1920 × 1080); 1.3 M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Frame Rate	Main stream: 1080P/1.3 M/720P (1–50/60fps) Sub stream 1: 640*480(VGA) (1–25/30fps)
Bit Rate Type	CBR/VBR
Bit Rate	H.264: 3 kbps–8192kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Supported
WDR	120dB
HLC	Support
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	Supported
Region of Interest	Supported
Defog	Electronic
Flip	180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
S/N Ratio	≥ 55 dB
Audio	
Compression	G.711a; G.711Mu; AAC; G.722.1; G.726; MPEG2-Layer2; G.729
Audio I/O	RCA, bare wire connections (Mono)
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; SSL; TCP/IP; UDP; RTSP; SMTP; NTP; DHCP; DNS; DDNS; FTP; IP Filter
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64MB)
Storage	NAS; Local PC; Micro SD 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.
Mobile Phone	iOS/Android
Port	

Audio Input	1
Audio Output	1
Alarm I/O	2/1
Power	
Power Supply	DC 12V/3A±10%, PoE+ (802.3at)
Power Consumption	9W, 23W (IR ON)
Operating Temperature	-40°F to +158°F (-40°C to +70°C)
Operating Humidity	≤95%
Protection	IP66; TVS 6000V lightning proof; Surge protection
Dimensions	10.62" × Φ6.30" (269.9mm x Φ160mm)
Net Weight	6.61 lbs. (3 kg)

Dimensions



Mounting

Ceiling Mount	Junction Mount	Power Box Mount
AMCPFA111 + AMCPFB300C	AMCPFB305B + AMCPFA120	AMCPFB305W + AMCPFA140
		
Pole Mount	Corner Mount	Parapet Mount
AMCPFB305W + AMCPFA150	AMCPFB305W + AMCPFA151	AMCPFA111 + AMCPFB303S
		

Wiring

