

Light
Explorer



EM-B9442C2PA

4MP Dual Illumination AI Bullet Network Camera

- H.265+/H265/H.264+/H264/ MJPEG coding
- Max. resolution: 2688 × 1520
- ICR auto switch, true day / night
- 30 ~ 40m IR or white light range
- 3D DNR, true WDR, HLC, BLC, Defog and ROI coding
- 1CH audio input; 1CH audio output
- 1CH built-in speaker; 1CH built-in microphone
- Built-in micro SD card slot, up to 256GB
- DC12V/PoE power supply
- IP66 ingress protection
- Support three streams
- Intelligent analytics
- Support smart supplement light
- Blue and red light warning (flashing alternately)
- Support user-defined warning voice import



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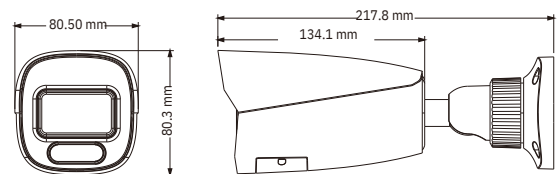
4MP Dual Illumination AI Bullet Network Camera

SPECIFICATIONS

Specifications	Model	EM-B9442C2PA		
Camera				
Image Sensor	1 / 3" CMOS			
Image Size	2688 × 1520			
Electronic Shutter	Auto/manual mode; manual mode: 1 / 3 s ~ 1 / 100000 s			
Iris Type	DC Iris	Fixed Iris		
Min. Illumination	0.03lux@F1.6, AGC ON; 0 lux with IR			
Lens	2.8~12mm@F1.4 H.FoV: 96°~32.33°; V.FoV: 53.67°~19.63°; D.FoV: 114.17°~36.33°	2.8 mm@F1.6, H.FoV:96°; V.FoV: 54.5°; D.FoV:113°; 3.6 mm@F1.6, H.FoV: 79.5°; V.FoV:42°; D.FoV:95°		
Focus	Motorized	Fixed		
Lens Mount	Φ14	M12		
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Defog	Yes			
Digital NR	3D DNR			
S/N Ratio	≥50dB			
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°			
Image				
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG			
H.264 Compression Standard	Base line Profile/Main Profile/High Profile			
Resolution	4MP(2688×1520)/(2592×1520), 2K (2560×1440), 3MP (2304×1296), 1080P (1920×1080), 720P(1280×720), D1, VGA(640×480), 640×360, CIF, 480×240			
Main Stream	4MP/2K/3MP/1080P/720P(60Hz: 1~30fps; 50Hz: 1~25fps)			
Sub Stream	720P/D1/VGA/640×360/CIF/480×240 (60Hz: 1~30fps; 50Hz: 1~25fps)			
Third Stream	720P/D1/CIF/480×240 (60Hz: 1~30fps; 50Hz: 1~25fps)			
Bit Rate	64 Kbps ~ 8 Mbps			
Bit Rate Type	VBR / CBR			
Audio Compression	G711A / U			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, image flip, image mirror, NR, etc. adjustable through client software or web browser			
ROI	Each ROI to be configured separately			
Interfaces				
Network	RJ 45 10M/100M self-adaptive Ethernet port			
Video Output	No			
Audio	1CH audio input; 1CH audio output; 1CH built-in speaker; 1CH built-in microphone			
Alarm	1CH alarm input; 1CH alarm output			
Storage	Built-in micro SD card slot; up to 256GB			
Reset	Yes			
Intelligent Analytics				
Smart Event	Line crossing, region intrusion/entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection			
Statistics	Target counting by line/area, heat map			
Exception Detection	Scene change, video blur and abnormal color detection, audio exception			
Face Detection	Face detection and face capture			
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	59m(195ft)	23m(78ft)	11m(39ft)	5m(19ft)
3.6mm	79m(259ft)	31m(103ft)	15m(51ft)	7m(25ft)
2.8~12mm(W)	60m(197ft)	24m(78ft)	12m(39ft)	6m(19ft)
2.8~12mm(T)	175m(576ft)	70m(230ft)	35m(115ft)	17m(57ft)
Functions				
Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/mobile APP			

Web Browser	IE11(plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection, light alarm, audio alarm
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction, smart supplement light, disarming
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
PoE	Yes, IEEE802.3af
Supplement light Range	IR range: 30 ~ 40 m White light range: 30 ~ 40 m
Ingress Protection	IP66
Others	
Power Supply	DC12V/PoE
Power Consumption	< 12W
Storage Conditions	-30 °C ~ 65 °C (-22 °F ~ 149 °F), Humidity: less than 95 % (non-condensing)
Operating Conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	217.8 × 80.5 × 80.3
Weight (net)	Approx. 0.68KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)

DIMENSIONS



AVAILABLE ACCESSORIES

