

AMX-5I242R-ASEN2/36

4MP ePoE Full-Color Network Dome Camera

Full-Color



The 4MP Full-Color ePoE camera offers Analytics+ functions at the edge - performing complex real-time perimeter protection surveillance and people counting. The Analytics+ algorithms significantly improve accuracy and reliability as compared to standard intelligent features. The camera is ideal for a host of diverse applications - Full-Color and True Wide Dynamic Range allow the camera to operate in any lighting condition and the IP67 and IK10 rating makes the camera suitable for the harshest environments.



MODEL(S) AVAILABLE

KEY FEATURES

- ▶ 4MP, 1/1.8" progressive-scan CMOS Sensor
- ▶ Triple-stream encoding
- ▶ Smart H.265+ and Smart H.264+ Dual Codec
- ▶ 4MP (2688 x 1520) @ 30 fps, 3.6 mm fixed lens
- ▶ Enhanced Power and Data Transmission Distances (ePoE)
- ▶ Analytics+ functions - Perimeter Protection
- ▶ 120 dB true WDR
- ▶ IP67 Ingress Protection & IK10 Vandal Resistance
- ▶ Intelligent Video System

Product Specifications

Camera	
Image Sensor	1/1.8" 4MP Progressive Scan CMOS
Image Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	512 MB
Electronic Shutter	Auto/Manual 1/3 s ~ 1/100,000 s
Minimum Illumination	Color: 0.00022 Lux @ F1.2 (1/3 s, 30 IRE) Color: 0.0022 Lux @ F1.2 (1/30 s, 30 IRE)
S/N Ratio	> 56 dB
IR LEDs	1
IR Distance	164 ft
Illuminator On/Off Control	N/A
Lens Type	Fixed
Focal Length	3.6 mm
Angle of View	Horizontal: 93°
	Vertical: 50°
	Diagonal: N/A
Max. Aperture	F1.2
Close Focus Distance	6.56 ft (2.0 m)
Pan / Tilt / Rotation	Pan: 0°~355° / Tilt: 0°~75° / Rotation: 0°~355°

Video Standard	
Video Compression	H.265/H.264/H.264H/H.264B/MJPEG (Sub stream only)
Smart Codec	Smart H.265+ / Smart H.264+
Video Frame Rate	Main stream: 2688 × 1520 @ 30 fps
	Sub stream 1: D1 @ 30 fps
	Sub stream 2: 1080P @ 11 fps
Streaming Capability	3 Streams
Video Resolution	4MP (2688 × 1520), 3MP (2304 × 1296), 1080P (1920 × 1080), 1.3MP (1280 × 960), 720P (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)
Bit Rate Control	CBR; VBR
Video Bitrate	H264: 32 Kbps ~ 8192 Kbps H265: 19 Kbps ~ 8192 Kbps
Day / Night	Color; B/W
BLC Mode	Yes
HLC Mode	Yes
Wide Dynamic Range	120 dB true WDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom
Gain Control	Auto / Manual / Gain Priority / Shutter Priority
Digital Noise Reduction	3D DNR
Motion Detection	On / Off (4 areas, rectangular)
Region of Interest	4
Smart Illumination	N/A
Defog	Yes
Exposure Mode	N/A
Mirror	Yes
Privacy Masking	Yes
Image Rotation	0°/ 90°/ 180°/ 270°
Motion Detection	Yes

Network & Interface	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	N/A
Network Protocol	HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/v6, QoS, UPnP, NTP, ICMP, IGMP, 802.1x
Network Interoperability	ONVIF (Profile S/Profile G); CGI; P2P; Milestone; Genetec
Scene Self-Adaptation	N/A
Streaming Method	Unicast / Multicast
Network Max. Users	20
Storage	NAS; FTP; Micro SD Card Slot (support max. 256 GB)
Web Viewer	IE / Chrome / Firefox / Safari
Management Software	Smart PSS/ DSS / P2P
Mobile	iOS / Android
BNC	N/A
Audio I/O	1/1
Alarm I/O	1/1
Audio Compression	G.711a, G.711mu, AAC, G.726, G.723
RS485	N/A
Built-in MIC	N/A

General	
Power Supply	12 V DC / PoE (IEEE 802.3af, class 0)
Power Consumption	< 2.7 W, 3.5 W (PoE)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F) / ≤ 95% RH
Storage Temperature	5°C ~ 40°C (41°F ~ 104°F) / ≤ 95% RH
Protection	IP67, IK10
Casing	Metal
Dimensions	88.9 mm × ø 122.0 mm (3.5" × ø 4.8")
Net Weight	470 g (1.04 lb)
Gross Weight	630 g (1.39 lb)
Certifications	UL60950-1 CAN/CSA C22.2 No.60950-1-07 EN60950-1 FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility Directive 2014/30/EU

Analytics+ Functions	
Perimeter Protection	<ul style="list-style-type: none"> Detects human or vehicle violations using the following methods: <ul style="list-style-type: none"> Tripwire: a target crosses a defined line. Intrusion: a target enters or exits a defined perimeter. Monitors a combination of ten (10) detection methods. Search and retrieve video based on target type.
People Counting	<ul style="list-style-type: none"> Delivers accurate flow statistics from the following methods: <ul style="list-style-type: none"> Line Crossing: counts a person as they cross a threshold in a defined direction. Region: counts the number of people in a defined area. Counts people simultaneously from one (1) threshold line and one (1) defined region.

Product Specifications

Camera	
IVS triggers an alarm and takes a defined action for the following events:	
Standard Features	<ul style="list-style-type: none"> • Tampering with the camera. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera. • IP Address Conflict
Premium Features	
Motion	An object moves through any part of the scene.
Scene Change	A person or object moves the camera to change the scene or covers the camera to obscure the scene.
Abandoned/Missing Object	A target leaves an object in designated area, or a target removes an object from the same designated area.

Product Accessories



PFA137



PFB203W



PFA152-E



PFA106



PFB220-C

Product Dimensions (mm [inch])

