

AMX-3V241R-IR-ZS-S2

4MP WDR IR Dome Network Camera



With upgraded H.265 encoding technology, the **WEC** series camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better colorful image in the environment of low illumination. It supports SD storage, waterproof function, dust-proof function and tamper-proof function, complying to the standards of IP67 and IK10.



MODEL(S) AVAILABLE

KEY FEATURES

- ▶ 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- ▶ Outputs max. 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps
- ▶ H.265 codec, high compression rate, low bit rate
- ▶ Built-in IR LED, max. IR distance: 131 ft (40 m)
- ▶ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- ▶ Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- ▶ Intelligent detection: Intrusion, Tripwire
- ▶ Alarm In/Out: 1/1, Audio In/Out: 1/1
- ▶ Supports max. 256 GB Micro SD card
- ▶ 12 V DC / POE power support
- ▶ IP67, IK10 protection

Product Specifications

Camera	
Image Sensor	1/3" 4MP Progressive CMOS
Image Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	128 MB
Electronic Shutter	Auto/Manual 1/3 s ~ 1/100,000 s
Minimum Illumination	0.008 Lux @ F1.6
S/N Ratio	N/A
IR LEDs	2
IR Distance	131 ft (40 m)
IR On/Off Control	Auto / Manual
Lens Type	Motorized vari-focal
Focal Length	2.7 ~ 13.5 mm
Angle of View	Horizontal: 104° ~ 27°
	Vertical: 55° ~ 15°
	Diagonal: 124° ~ 31°
Max. Aperture	F1.6
Close Focus Distance	2.6 ft (0.8 m)
Optical Zoom	5×
Pan / Tilt / Rotation	Pan: 0°~355° / Tilt: 0°~67° / Rotation: 0°~355°

Intelligent	
Perimeter Protection	Tripwire; Intrusion

Video Standard	
Video Compression	H.265 / H.264 / H.264B / MJPEG
Smart Codec	Smart H.265 / Smart H.264
Video Frame Rate	Main stream: 2560 × 1440 @ 1~25/30 fps; 2688 × 1520 @ 1~20 fps
	Sub stream: 704 × 576 @ 1~20/25 fps
Streaming Capability	2 Streams
Video Resolution	2688 × 1520; 2560 × 1440; 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 Bitrate	H264: 32 Kbps ~ 6144 Kbps H265: 12 Kbps ~ 6144 Kbps
Day / Night	Auto (ICR)
BLC Mode	Yes
HLC Mode	N/A
Wide Dynamic Range	120 dB true WDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom
Gain Control	Auto / Manual
Digital Noise Reduction	3D DNR
Motion Detection	On / Off (4 areas, rectangular)
Region of Interest (ROI)	4
Smart Illumination	Yes
Mirror	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)

Privacy Masking	Yes (4 areas)
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Network & Interface	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	N/A
Network Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP
Network Interoperability	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Scene Self-adaptation	N/A
Streaming Method	N/A
Network Max. Users	20
Storage	FTP; NFS; Micro SD Card Slot (support max. 256 GB)
Web Viewer	IE / Chrome / Firefox
Management Software	Smart PSS / DSS / DMSS
Mobile	iOS / Android
BNC	N/A
Audio I/O	N/A
Alarm I/O	N/A
Audio Compression	N/A
RS485	N/A
Built-in MIC	N/A

General	
Power Supply	12 V DC / PoE
Power Consumption	Basic power consumption: 1.9 W (12 V DC); 2.8 W (PoE) Max power consumption: (H.265, Max resolution, Max stream, WDR, IR full intensity, IVS): 5.6 W (12 V DC), 6.5 W (PoE)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F) / ≤ 95% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F) / ≤ 95% RH
Protection	IP67, IK10
Casing	Metal
Dimensions	88.9 mm × 122.0 mm (3.5" × 4.8")
Net Weight	470 g (1.04 lb)
Gross Weight	630 g (1.39 lb)
Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL: UL60950-1 CAN

Product Specifications

Product Accessories



PFA137



PFB203W



PFA152-E



PFA106



PFB220-C

Product Dimensions (mm [inch])

