

RBU1430DS-SAW

4MP IR Fixed-focal Wi-Fi Bullet Network Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP(2560x1440)@20fps, max. supports 3MP(2304x1296)@25/30fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED
- SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- DWDR, 3D NR, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, Video tampering, IP conflict, illegal access
- Supports single antenna 2.4G Wi-Fi that covers a range of up to 80m in an open area
- Supports max. 256GB Micro SD card. Built-in Mic
- 12V DC/POE power support
- IP67 protection

System Overview

With features of simple installation, easy operation, and high performance-cost ratio, the entry series network camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Motion Detection

When moving objects appear in the monitoring image, the Motion Detection (General) technology triggers alarm or records.

Day/Night

Day/Night function provides color image when illumination is adequate; when illuminance is inadequate, it switches night mode and provides white and black image. It can guarantee that the network camera can work normally when illuminance changes.

Protection (IP67, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Cyber Security

The network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

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Technical Specification

Camera

Image Sensor	1/3" CMOS
Max. Resolution	2560(H) x 1440(V)
ROM	16MB
RAM	64MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Minimum Illumination	0.03Lux@F2.0 (Color, 30IRE) 0.003Lux@F2.0 (B/W, 30IRE) 0Lux (illuminator on)
S/N Ratio	>56dB
Illuminator Distance	30m (98.4ft) (IR LED)
Illuminator On/Off Control	Auto / Manual
Illuminator Number	1 (IR LED)
Pan / Tilt / Rotation Range	Horizontal: 0°–360° Vertical: 0°–60° Rotation: 0°–360°

Lens

Lens Type		Fixed-focal			
Mount Type		M12			
Focal Length		2.8mm 3.6mm			
Max. Aperture		F2.0			
Field of View		2.8mm: Horizontal: 90°, Vertical: 50°, Diagonal: 107° 3.6mm: Horizontal: 76°, Vertical: 40°, Diagonal: 92°			
Iris Type		Fixed			
Close Focus Distance		2.8mm: 1.0m (3.28ft) 3.6mm: 1.4m (4.59ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	68mm (223.10ft)	27.2m (89.24ft)	13.6m (44.62ft)	6.8m (22.31ft)
	3.6mm	85.2m (279.53ft)	34.1m (111.88ft)	17.0m (55.78ft)	8.5m (27.89ft)

Video

Video Compression	H.264B; H.264; H.264H; G.265
Smart Codec	Smart H.265+ / Smart H.264+
Video Frame Rate	Main stream: 2560×1440 (1-20fps) Sub stream: 640×480 (1-25/30fps)
Streaming Capability	2 Streams
Resolution	2560×1440 (2560 × 1440); 2304×1296 (2304×1296); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720);
Bit Rate Control	CBR / VBR

Video Bit Rate	H.264: 24K - 4096Kbps H.265: 9K - 4096Kbps
Day/Night	Auto (ICR) / Color / B/W
BLC	Yes
WDR	DWDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	Off / On (4 Areas, Rectangular)
Region of Interest (ROI)	Yes (4 Areas)
Smart Illumination	Yes
Image Rotation	0°/180°
Mirror	Yes

Audio

Built-in Mic	Yes
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Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; intensity change
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Network

Ethernet	RJ-45 (10/100Base-T)
Wi-Fi	IEEE802.11b/g/n 2.4–2.4835GHz
Wireless Range	Up to 80 m (The performance varies based on actual environment)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; DHCP; DNS; NTP; Multicast; RTMP
Interoperability	ONVIF (Profile S/Profile G); CGI; P2P
User / Host	6 (Total bandwidth: 36 M)
Storage	Micro SD card (support max. 256 GB, sold separately)
Web Viewer	IE Chrome Firefox
Mobile Phone	iOS, Android

Certification

Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C
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Power

Power Supply	12VDC
Power Consumption	Basic: 2W (12VDC); Max. (H.265+IR intensity): 4.9W (12VDC)

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Environment

Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Operating Humidity	≤95%
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Protection	IP67; IK10

Structure

Casing	Metal
Dimensions	166.2mm x 70.0mm x 128.6 (6.53" x 2.76" x 5.06")
Net Weight	477.9g (1.05lb)
Gross Weight	696.5g (1.50lb)

Accessories

Optional:

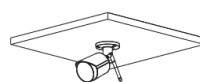


RPFA134
Junction Box

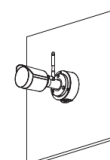


RPFA152-E
Pole Mount

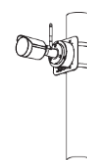
Ceiling Mount



Junction Mount



Pole Mount



Dimensions (mm[inch])

