BSACUW4MF28IR10

4MP IR Network Camera



- 4MP, 1/3” CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2560 × 1440) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Max. IR distance: 10 m
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Alarm: 1 in, 1 out; 256 G SD card, built-in Mic and speaker
- Supports 256 G Micro SD card
- 12V DC power supply, easy for installation
- Supports PIR
- Supports Wi-Fi



Series 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, its 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.

WDR

With advanced Wide Dynamic Range (WDR) technology, the network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Smart Illumination

The Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts Illuminations intensity automatically to display the details of the moving target.

Motion Detection

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

Day/Night

The 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.

Voice Call

With built-in high-sensitivity Mic and high-power speaker, the camera can realize voice call through DMSS client.

Technical Specification

Camera

Image Sensor	1/3”4Megapixel progressive CMOS
Max. Resolution	2560 (H) × 1440 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	Manual 1/30 s 0. 170 Lux @F2.0 (Color, 80 IRE); 0.165 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on) Manual 1/3 s 0.0141 Lux @F2.0 (Color, 80 IRE); 0.0116 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on)
S/N Ratio	>46.6 dB
Illumination Distance	10 m (32.8 ft) (IR LED)
Illuminator On/Off Control	Auto
Illuminator Number	1 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90°

Lens

Lens Type	Fixed-focal			
Mount Type	M12			
Focal Length	2.8 mm			
Max. Aperture	F2.0			
Field of View	Horizontal: 97° Vertical: 52° Diagonal: 116°			
Iris Type	Fixed			
Close Focus Distance	0.8 m (2.6 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	56.0 m (183.7ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	5.6 m (18.4 ft)

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	H.264: Yes H.265: Yes
Video Frame Rate	50 Hz Main stream (2560 × 1440 @25 fps), sub stream (640 × 480 @25 fps) Main stream (2304 × 1296 @25 fps), sub stream (640 × 360 @25 fps) Main stream (1920 × 1080 @25 fps), sub stream (320 × 240 @25 fps) 60 Hz Main stream (2560 × 1440 @30 fps), sub stream (640 × 480 @30 fps) Main stream (2304 × 1296 @30 fps), sub stream (640 × 360 @30 fps) Main stream (1920 × 1080 @30 fps), sub stream (320 × 240 @30 fps)
Stream Capability	2 streams
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); VGA (640 × 480); 640 × 360; QVGA (320 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	"H.264: 184 kbps–6144 kbps H.265: 73 kbps–6144 kbps"
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270°
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	AAC; G.711a; G.711Mu

Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering

Network

Network	RJ-45 (10/100 Base-T)
Wi-Fi	Yes
SDK and API	Yes
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; IPv4/v6; QoS; NTP
Interoperability	ONVIF (Profile T/Profile S/Profile G); CGI; DMSS
User/Host	20 (Total bandwidth: 100 M)
Storage	NAS; FTP; SFTP; Micro SD card (256 G)
Browser	IE: IE7 and later Chrome: Chrome 45 and later Firefox: FireFox 46 and later Safari: Mac os Safari12
Management Software	DMSS
Mobile Phone	IOS; Android

Certification

Certification	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

Port

Alarm Input	1 channel in: 5mA 3V–5V DC
Alarm Output	1 channel out: 300mA 12V DC

Power

Power Supply	12V DC
Power Consumption	Max 3.3W (12V DC)

Environment

Operating Conditions	–10°C to +45°C (14°F to +113°F)/Less than 95%RH
Storage Conditions	–40°C to +60°C (–40°F to +140°F)

Structure

Casing	Plastic
Dimensions	Φ78.5 mm × 90.5 mm × 127.8 mm (3.1" × 3.6" × 5.0") (L × W × H)
Net Weight	160 g (0.4 lb)
Gross Weight	360 g (0.8 lb)

Dimensions (mm[inch])

