

4MP AI Wireless Flood Light with Mic and Speaker



Technical Specification

Camera

Image Sensor	1/3" CMOS
Max. Resolution	2560 (H) × 1440 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.005 lux@F1.6 (Color,30 IRE) 0.0005 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	10 m (32.81 ft) (IR); 30 m (98.43 ft) (Floodlight)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (IR LED); 2 (Floodlight, color can be switched between warm and cool)
Floodlight Brightness	1500-2400 lm
Floodlight Color Temperature	3000K±200K (warm); 6000K±300K (cool)
Floodlight Modes	Motion Activation Manual Schedule PIR Activation
Pan/Tilt/Rotation Range	Camera: Pan: -85° to +85° Tilt: -90° to +45° Rotation: 0° to +360° Floodlight: Tilt: -90° to +90° Rotation: -145° to +145°
PIR Sensor Distance	10 m (the height of the device is 3 m, placed at an angle of 30° from the horizontal)
PIR Detection Range	270°

- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25 fps/30 fps
- H.265 codec, high compression rate, ultra-low bit rate.
- SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Built-in microphone and speaker for real-time communication.
- Active alarm with built-in 110 dB Siren.
- The built-in dual floodlights can switch between warm and cool color temperature and have 4 floodlights modes.
- Detects humans, vehicles and animals to reduce the occurrence of false alarms.
- SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Dual-band 2.4 GHz and 5 GHz WiFi options, IEEE802.11a/b/g/n/ac.
- Supports max. 256 G Micro SD card and NVR storage.
- 100–240 VAC power supply, easy for installation.
- IP65 Protection.

Lens

Lens Type	Fixed-focal			
Lens Mount	M12			
Focal Length	2.8 mm			
Max. Aperture	F1.6			
Field of View	H: 98°; V: 55°; D: 115°			
Iris Control	Fixed			
Close Focus Distance	1.0 m (3.28 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	61.2 m (200.79 ft)	24.5 m (80.38 ft)	12.2 m (40.03 ft)	6.1 m (20.01 ft)

Video

Video Compression	H.264B; H.264; H.264H; H.265; MJPEG
Smart Codec	Smart H.265+; Smart H.264+

Video Frame Rate	Main stream: 2560 × 1440@(1–25 fps) 2560 × 1440@(1–30 fps) Sub stream 1: 704 × 576@(1–25 fps) 704 × 480@(1–30 fps) Sub stream 2: 640 × 480@(1 fps–25 fps) 640 × 480@(1 fps–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	3 streams
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 1M (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 32 kbps–8192 kbps; H265: 32 kbps–8192 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
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
Privacy Masking	Yes

Audio

Built-in MIC	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu; G.726; PCM

Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; security exception; motion detection; video tampering; sence changing; SMD (human, animal and vehicle); audio detection; intensity change
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Network

Wi-Fi	IEEE802.11a/b/g/n/ac 2.4–2.4835GHz & 5.18–5.85GHz
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; IPv6; ARP&Ping; TCP; UDP; HTTP; RTSP; HTTPS; DDNS; Email; SNMP; Multicast; Auto Registration; Wireless Qos; Wi-Fi setting; hotspot scanning; 802.1x; UPnP status; Bonjour; UPnP; device discovery
Interoperability	ONVIF; CGI; P2P; RTMP
User/Host	6 (Total bandwidth: 36 M)
Storage	Micro SD card (support max. 256 GB); FTP; SFTP; NAS
Browser	IE; Chrome; Firefox
Management Software	DMSS
Mobile Client	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	100–240 VAC
Power Consumption	Basic: 5.2 W (100–240 VAC) Max. (Illuminator+IPC): 48.3 W (100–240 VAC)

Environment

Operating Temperature	–20 °C to +50 °C (–4 °F to +122 °F)
Operating Humidity	≤ 95%
Storage Temperature	–20 °C to +50 °C (–4 °F to +122 °F)
Protection	IP65

Structure

Casing	Metal + Plastic
Product Dimensions	270.7 mm × 217.2 mm × 195.6 mm (10.66" × 8.55" × 7.70") (L × W × H)
Net Weight	1.40 kg (3.08 lb)
Gross Weight	1.88 kg (4.14 lb)

Dimensions (mm[inch])

