KX-CF4203GN-AL-SP
4MP IR Bullet 4G Solar Power Network Camera

· 4-MP 1/3" CMOS image sensor, low luminance, and high-definition image.
· Outputs max. 4 MP (2688 × 1520) @25/30 fps.
· H.265 codec, high compression rate, ultra-low bit rate.
· Built-in warm light/IR LED.
· Sound and light alarm linkage. When the alarm is triggered, the sound and light will be linked.
· Built in high-performance 4G Module that suits all mobile networks. Installation is no longer limited to wired networks. Please test the local 4G network with the camera before use.
· Built-in PIR sensor that detects human body through passive infrared which is sensitive to body temperature.
· Built-in 8 GB eMMC memory chip that protects key records from being lost.
· Supports solar power, making it ideal for use in locations that have exposure to sunlight.
· Standalone with built-in solar panel and battery, battery cycle life can last up to 10 days at the rate of 1-hour remote live view per day.
· Abnormality detection: Motion detection, video tampering, audio detection, SD card full, SD card error, network disconnection, IP conflict and illegal access.
· Supports max. 256 G Micro SD card; built in MIC and speaker; support two-way talk.
· IP67 protection

Camera	
Image Sensor	1/3" CMOS
Max. Resolution	2688 (H) × 1520 (V)
ROM	128MB
RAM	256MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.01 Lux@F1.6 (Color,30IRE) 0.001 Lux@F1.6 (B/W,30IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	IR: 50 m (164.04 ft) Warm light: 30 m (98.43 ft)
Illuminator On/Off Control	Auto;Manual
Illuminator Number	1 (IR LED); 1 (Warm light)
Angle Adjustment	Pan: 0°–360° Tilt: −60°–0° Rotation: 0°–360°
Built-in Battery	Support 10000 mAh rechargeable lithium battery
PIR Sensor Distance	10 m (the height of device is 2.5 m, placed horizontally) 5 m (the height of the device is 2 m, placed at an angle of 30° from the horizontal)

Battery	
Battery Type	Lithium-ion
Capacity	10 Ah
Max. Charging Voltage	4.2 V
Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Battery Voltage	3.0 V to 4.2 V
Cycle Lifetime	Sleep Mode(Recommend): About 10 days (at the rate of 1-hour remote live view per day) General Mode: About 15 hours(when the battery is fully charged)
Battery Life	More than 500 cycles
Battery Weight	Approx. 190 g (0.42 lb)

Solar Module	
Maximum Power	5 W
Cell type	Monocrystalline
Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Dimensions	230 mm × 150 mm × 2 mm (9.1" × 5.9" × 0.1") (L × W × H)
Standard testing condition	AM = 1.5, 25 °C (77 °F), 1000 W/m², SMQ + 12%

Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm; 3.6 mm; 6 mm
Max. Aperture	2.8 mm: F1.6 3.6 mm: F1.6 6 mm: F1.6

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Field of View	2.8 mm: H: 102°; V: 54°; D:121° 3.6 mm: H: 84°; V: 42°; D:101° 6 mm: H: 52°; V: 48°; D:61°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.7 m (5.58 ft) 6 mm: 3.2 m (10.50 ft)

DORI Distance

Lens	Detect	Observe	Recognize	Identify
2.8 mm	63.6 m (208.66 ft)	25.4 m (83.33 ft)	12.7 m (41.67 ft)	6.4 m (21.00 ft)
3.6 mm	85.4 m (280.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)
6 mm	124.0 m (406.82 ft)	49.6m (162.73 ft)	24.8m (81.36 ft)	12.4m (40.68 ft)

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Video Frame Rate	Main stream: 2688 × 1520 @(1–25/30 fps) sub stream: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps)
Stream Capability	2 streams
Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (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 Bit Rate	H.264: 32 kbps–8192 kbps H.265: 32 kbps–8192 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
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
Mirror	Yes
Privacy Masking	4 areas

Audio

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

Alarm

Alarm Event	SD card error; SD card full; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception; PIR alarm; low battery alarm; light alarm; sound alarm

Network

Network Port	RJ-45 (10/100 Base-T)
Frequency	4G: FDD-LTE: B1/3/5/7/8/20/28 TDD-LTE: B38/40/41 Applicable regions: Europe, Asia-Pacific, Africa 3G: WCDMA: B1/5/8 Applicable regions: Europe, Asia-Pacific, Africa 2G: GSM/GPRS/EDGE: B3/5/8 Applicable regions: Europe, Asia-Pacific, Africa
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P
Interoperability	ONVIF (Profile S/Profile G); CGI
User/Host	20 (Total bandwidth: 80 M)
Storage	Bulit in eMMC (8 GB); FTP;SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE: IE8,9,11 Chrome Firefox
Management Software	KBiVMS, KBView Plus
Mobile Client	iOS; Android

Port

USB	1 Micro USB Port

Power

Power Supply	MicroUSB/5 VDC
Power Consumption	Sleep Mode: 0.03 W General Mode: 2.6 W Max. (4G pulling stream+IR+speaker+warning light): 4.9 W

Environment

Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Humidity	≤ 95%
Storage Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Protection	IP67

Structure

Casing	Metal + plastic
Product Dimensions	247 mm × 219 mm×179 mm (9.72" × 8.62" × 7.05") (L × W × H)
Packaging Dimensions	238 mm×181 mm×296 mm (9.37"×7.13"×11.65") (L × W × H)
Net Weight	1250 g (2.80 lb)
Gross Weight	1610 g (3.50 lb)
Dimensions (mm[inch])	