

CCTV IP / Professional IP cameras

SF-IPB382CA-4I1-SOLAR4G

SF-IPB380CA-4I1-SL

I1 Range: Advanced Artificial Intelligence and video metadata

The I1 series is the highest performing IP camera range in the Safire Smart ecosystem. This series integrates advanced and comprehensive artificial intelligence that achieves an accuracy rate of 99%, one of the highest in the industry. In addition, it includes functionalities such as facial capture or video metadata analysis for feature extraction (up to 13 human, 5 vehicle and 2 two-wheeled vehicle features). In this series, cameras with different resolutions (4MP and 8MP) are available with different features to adjust with the best functionalities to the needs and characteristics of each installation.

- Bullet IP solar 4G camera range I1
- Resolution 4 Megapixel (2560x1440)
- Lens 2.8 mm | MIC & Speaker | White led 15m
- NightColor, image color 24/7
- AI: Classification of human and vehicle | PIR
- Waterproofing IP67 | Active deterrence



Technical Specification

Camera	
Image Sensor	1 / 1.8 "CMOS
Image Size	2560 x 1440
Min. Illumination	0.000625lux@F1.0,AGC ON; 0 lux with LED ON
Electronic Shutter	1 / 3s ~ 1 / 100000 s
Shutter speed	Auto
Lens	2.8mm F1.0 H.FoV: 113°; V.FoV: 60°; D.FoV: 114°
Lens Mount	M16
Wide Dynamic Range	120dB
S/N Ratio	≥50dB
BLC	Yes
HLC	Yes
Digital NR	2D/3D DNR
Angle Adjustment	Pan: 0°~360°; Tilt:-60°~10°
Illuminator	
Supplement light type	White light
Supplement light range	Full power mode: up to 20m; Low power mode: up to 10m
Smart supplement light	Yes
Image	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	4MP (2560×1440), 3MP (2304×1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 640 × 480, CIF, 480 × 2403MP(2304×1296), 1080P(1920×1080), 720P(1280×720), D1, VGA(640×480), CIF, 480 × 240
Main Stream	4MP/2K/3MP/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps) HFR mode: 1080P/720P(60Hz : 1 ~ 60fps; 50Hz: 1~50fps)
Sub Stream	60Hz:720P/D1/CIF (1~15fps); 50Hz:720P/D1/CIF (1~12fps)
Third Stream	60Hz:720P/D1/CIF (1~15fps); 50Hz:720P/D1/CIF (1~12fps)
Bit Rate	64 Kbps ~ 8 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U

Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser
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ROI	Each ROI to be configured separately
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Mobile Communication

SIM Card type	Micro SIM
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Frequency	LTE-TDD: Band 38/39/40/41; LTE-FDD: Band 1/2/3/4/5/7/8/12/13/18/19/20/25/26/28; WCDMA: Band 1/5/8; GSM: Band 2/3/5/8
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Standar	LTE-TDD, LTE-FDD, WCDMA, GSM, 4G Cat4
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PIR

PIR angle	Horizontal: 82°, vertical:50°
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PIR Range	Up to 15m
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Interfaces

Network	RJ45 10M/100M self-adaptive Ethernet port
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Warning light	1 blue LED light, 1 red LED light
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Audio	1 CH built-in MIC, 1 CH built-in Speaker
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Storage	Built-in 64G eMMC storage (including system software); Built-in micro SD card slot, up to 256GB
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Reset	Yes
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Functions

Remote Monitoring	Web Client/NVR/NVMS2.0/Mobile APP
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Web Browser	IE11(plugin required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
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Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
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Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, QoS
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Interface Protocol	ONVIF
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Storage	Network remote storage; micro SD card storage
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Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, Cable connection
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General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
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Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs
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Protection Grade	IP66
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Intelligent Analytics

Video Abnormality	Scene change detection, video blur detection, video cast detection
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Perimeter Detection	Line crossing detection (human/vehicle classification); Region intrusion/ entrance/exiting detection (human/vehicle classification)
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Sound&Light Warning	Yes
Other Events	Face detection and face capture, abandoned/missing object detection; heat map; target counting, crowd density detection
DORI Distance	
Detect	50m
Observe	20m
Recognize	12m
Identify	5m
Others	
Power Supply	DC12V/
Power Consumption	< 12W
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	217.7 × 80.5 × 80.3
Weight (net)	Approx. 0.68KG
Installation	Ceiling mounting; wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)