

CCTV IP / Professional IP cameras

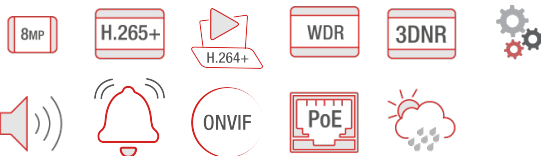
SF-IPT180A-8I1-SL

SF-IPT011CA-8I1-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.

- Turret IP camera range I1 Panoramic view 180°
- Resolution 8 Megapixel (4640x1760)
- Lens 2.8 mm | MIC & Speaker | Dual light 30m
- AI: Classification of human and vehicle
- Waterproofing IP66 | PoE (IEEE802.3af)
- Active deterrence / Videometadata



Technical Specification

Camera	
Image Sensor	1 / 2.7" CMOS
Image Size	4640x1760
Electronic Shutter	1 / 2s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.0032lux@F1.6,AGC ON, 0 lux with IR, 0 lux with LED
Lens	2.8 mm@F1.6, H.FoV:180°; V.FoV:66°
Focus	Fixed
Lens Mount	M12
Wide Dynamic Range	DWDR
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°
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	8Mpx (4640x1760)
Main Stream	25 FPS (8Mpx, 6Mpx, 5Mpx, 4Mpx, 1080p)
Sub Stream	25 FPS (2048x768, 1600x608, 1200x448)
Third Stream	25 FPS (1200x448, 960x368, 640x240)
Bit Rate	64 Kbps ~12 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
ROI	Each ROI to be configured separately
Interfaces	

Network	RJ 45 10M/100M self-adaptive Ethernet port
Video Output	No
Audio	1CH audio input; 1CH audio output; 1CH built-in speaker; 2CH built-in microphone
Storage	Built-in micro SD card slot; up to 256GB
Alarm	1CH alarm input; 1CH alarm output
Reset	Yes

Functions

Remote Monitoring	Web Client/NVR/Safire Smart VMS/Mobile APP
Web Browser	IE11(plugin required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, Cable connection
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
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
PoE	Yes , IEEE802.3af
Supplement light Range	IR range: 30 m White light range: 20 m
Protection Grade	IP66

Intelligent Analytics

Video Abnormality	Scene change detection, video blur detection, abnormal color detection
Perimeter Detection	Line crossing detection (human/vehicle classification); Region intrusion/entrance/exiting detection (human/vehicle classification)
Sound&Light Warning	Yes
Other Events	Face detection and face capture, abandoned/missing object detection; heat map; target counting by line/area, heat map

DORI Distance

Lens 2.8mm	60 m (D), 24 m (O), 12 m (R), 6 m (I)
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Others

Power Supply	DC12V/PoE
Power Consumption	< 9W
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)	111.5 (Ø) × 102.2 (Al) mm
Weight (net)	Approx. 0.719KG
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)