

CCTV IP / Professional IP cameras

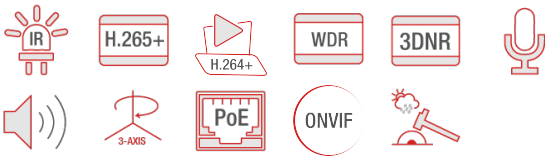
SF-IPD040A-6I1

SF-IPD040A-8I1

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.

- IP Dome Camera range I1 Advanced AI
- Resolution 8 Megapixel (3840x2160)
- Lens 2.8 mm | Microphone | IR 30m
- Advanced AI: Human, vehicle and vehicle 2 wheels
- Waterproofing IP67 & IK10 | PoE (IEEE802.3af)



Technical Specification

Camera	
Image Sensor	1 / 2.8 "CMOS
Image Size	3840×2160
Electronic Shutter	1 / 2 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux @ F1.6, AGC ON; 0 lux with IR
Lens	2.8 mm @F1.6, Horizontal FoV:101°; Vertical FoV:53°; Diagonal FoV:120°
Focus	Fixed
Lens Mount	M12
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~355°; Tilt:0°~67°; Rotation: 0°~355°
Image	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944), 4MP (2592 × 1520), 2K(2560 × 1440), 3MP(2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	60Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 50Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~25fps)
Sub Stream	60Hz: 720P(1~12fps)/D1/480 × 240(1~30fps) 50Hz: 720P/D1/480 × 240(1~25fps)
Third Stream	60Hz: 720P/D1/CIF/480 × 240 (1~30fps) 50Hz: 720P/D1/CIF/480 × 240 (1~25fps)
Bit Rate	64 Kbps ~ 12 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, image mirror, image flip, Sharpness, 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 built-in MIC; 1CH audio input
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
Functions	
Remote Monitoring	IE browser/ TVT NVR / NVMS / mobile APP
Web Browser	IE11 (plug-in 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, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection; SD card error; SD card full
Intelligent Analytics	Scene change, video blur detection, abnormal color detection, line crossing detection, intrusion detection
General Function	Watermark, video mask, heartbeat, corridor pattern
IR Distance	20~30m
Protection Grade	IP 67 & IK10
PoE	Yes (IEEE802.3af)
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
DORI Distance	
Lens	2.8mm
Detect	86.65m(284.28ft)
Observe	34.66m(113.71ft)
Recognize	17.33m(56.85ft)
Identify	8.66m(28.41ft)
Others	
Power Supply	DC12V/PoE
Power Consumption	< 7W
Operating Environment	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)

Storage Environment	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	Ø 119 × 87.8
Weight (net)	Approx. 0.64KG
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)