

CCTV IP / Professional IP cameras

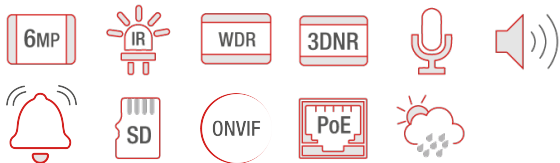
SF-IPD360A-6I1

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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.

- Fisheye IP dome camera I1 range
- Resolution 6 Megapixel (2160x2160)
- Lens 1.1 mm, wide-angle 360°
- Audio, Alarms, MicroSD Card 256GB
- Waterproofing IP67 | PoE (IEEE802.3af)



Technical Specification

Camera	
Image Sensor	1 / 2.9 "6MP progressive scan CMOS
Effective Pixels	2160×2160
Electronic Shutter	1 s ~ 1 / 100000 s
Min. Illumination	0.068lux@F2.0, AGC ON; 0 lux with IR
Lens	1.1mm @F2.0, horizontal field of view: 180° (desktop) 180° (ceiling mounting)
Day&Night	ICR
Wide Dynamic Range	Digital WDR
BLC	Yes
HLC	Yes
Digital NR	3D DNR
Defog	Yes
Compression Standard	
Video Compression	H.265 / H.264 / MJPEG
Encoding Type	VBR (five levels adjustable) / CBR
Smart Encoding	Support low bitrate, low delay; support ROI coding & SVC technology; support self-adaptive transmission bitrate as the network environment
Bit Rate	256 Kbps ~ 10 Mbps
Audio Compression	G711A / U
ROI	3 regions, each ROI can be configured separately
Image	
Resolution & Frame Rate	■ Fisheye+panorama+3 PTZ 50Hz: 25fps@(2160 × 2160/1920×1920/1440×1440/960×960/480×480), 15fps@(1920 × 1080/704×576), 15fps@(960× 540/480×240)*3 60Hz: 30fps@(2160 × 2160/1920×1920/1440×1440/960×960/480×480), 15fps@(1920 × 1080/704×480), 15fps@(960× 540/480×240)*3 ■ Fisheye+ 4 PTZ 50Hz: 25fps@(2160 × 2160/1920×1920/1440×1440/960×960/480×480), 15fps@(960× 540/480×240)*4 60Hz: 30fps@(2160 × 2160/1920×1920/1440×1440/960×960/480×480), 15fps@(960× 540/480×240)*4
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, Image Mirror, Image Flip, etc. adjustable through client software or web browser
Interfaces	
Network	RJ45
Video Output	CVBS output (BNC × 1)
Audio	1CH audio input; 1CH audio output; 1CH built-in MIC

Storage	Built-in micro SD card slot; up to 256GB
Hardware Reset	Yes
Alarm	1CH alarm input; 1CH alarm output
RS 485	Yes

Functions

Remote Monitoring	IE browser/TVT NVR/Mobile APP/NVMS
Online Connection	Support simultaneous monitoring for up to 11 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, UPnP, HTTP, HTTPS, 802.1x, QoS
Interface Protocol	ONVIF, GB-T/28181-2016
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection; SD card error, SD card full, IO alarm, cable disconnection, IP address conflict
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login lock
PoE	Yes, IEEE802.3af
IR Distance	20 ~ 30 m
Weather-proof Grade	No

Others

Power Supply	DC12V/PoE
Power Consumption	< 10.5W
Storage Environment	- 30 °C ~ 60 °C (-22°F~140°F); Humidity: less than 95 % (non-condensing)
Operating Environment	- 30 °C ~ 50 °C (-22°F~122°F); Humidity: less than 95 % (non-condensing)
Dimensions (mm)	■ 130 × 41
Weight (net)	Approx. 0.45KG
Installation	Ceiling mounting(wall mounting available with the junction box and bracket)