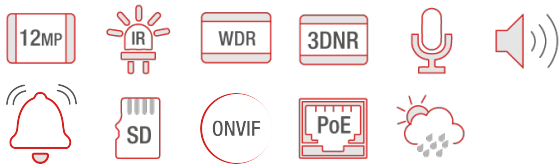# SF-IPD360A-12I1

SF-IPD360A-6I1

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 12 Megapixel (4000x3000)

- Lens 1.65 mm, wide-angle 360º

- Audio, Alarms, MicroSD Card 256GB

- Waterproofing IP67 | PoE (IEEE802.3af)

- Intelligent Analytics | P2P

Technical Specification

Camera

Image Sensor	1 / 1.7 "12MP progressive scan CMOS
Effective Pixels	4000x3000
Electronic Shutter	1/3s ~ 1 / 100000 s
Min. Illumination	0.01lux@F2.0, AGC ON; 0 lux with IR
IRIS	Fixed IRIS
Lens	1.1mm @F2.0, horizontal field of view: 180° (desktop) 180° (ceiling mounting◻
S/N	≥ 50dB
WDR	Digital WDR
BLC	Yes
HLC	Yes
Digital NR	3D DNR

Image

Video Compression	Main stream: H.265+ / H.265/ H.264+ / H.264 Sub stream: H.265+ / H.265/ H.264+ / H.264 MJPEG
H.264 Compression Standar	Baseline Profile/Main Profile/High Profile
Main Stream	Mode 1 Fisheye+Panoramic+3 PTZ Fisheye view 50Hz: 20fps@3000×3000 25fps@(2160×2160, 1920×1920,1440×1440, 960×960) Fisheye view 60Hz: 20fps@3000×3000 30fps@(2160×2160, 1920×1920,1440×1440, 960×960) Panoramic view 50Hz: 15fps@(4000×3000, 3840×2160) Panoramic view 60Hz: 15fps@(4000×3000, 3840×2160) 3PTZ view 50Hz: 15fps@(1280×720) * 3 3PTZ view 60Hz: 15fps@(1280×720) * 3 Mode 2 Fisheye+ 4 PTZ Fisheye view 50Hz: 25fps@(3000×3000,2160×2160, 1920×1920, 1440×1440, 960×960) Fisheye view 60Hz: 30fps@(3000×3000,2160×2160, 1920×1920, 1440×1440, 960×960) 4PTZ view 50Hz: 15fps@(1280×720) * 4 4PTZ view 60Hz: 15fps@(1280×720) * 4 Mode3 Fisheye+ 4 PTZ Fusion Fisheye view 50Hz: 25fps@(3000×3000,2160×2160, 1920×1920, 1440×1440, 960×960) Fisheye view 60Hz: 30fps@(3000×3000,2160×2160, 1920×1920, 1440×1440, 960×960) 4PTZ fusion view 50Hz: 20fps@2560×1440 4PTZ fusion view 60Hz: 20fps@2560×1440
Sub Stream	Fisheye view 50Hz: 25fps@1920×1920, 960×960, 480×480 Fisheye view 60Hz: 30fps@1920×1920, 960×960, 480×480
Bit Rate	128 Kbps ~ 16 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 adjustable through client software or web browser
ROI	Each ROI to be configured separetly

Interfaces

Network	1xRJ45 10/100M self adaptive ethernet port

Video Output	CVBS output (BNC × 1)
Audio	2CH built-in MIC1CH audio input; 1CH audio output;
RS 485	Yes, half-duplex
Storage	Built-in micro SD card slot; up to 256GB
Hardware Reset	Yes
Alarm	1CH alarm input; 1CH alarm output

Functions

Remote Monitoring	IE browser/Safire Smart NVR/Mobile APP/Safire Smart Lite
Online Connection	Support simultaneous monitoring for up to 11 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPs, HTTP, QoS, P2P, HTTP POST
Interface Protocol	ONVIF
Intelligent Analytics	Mode 1 (Wall mounting or desktop): Region intrusion/region entrance/region exiting/target counting by line (human/vehicle classification), crowd density detection Mode 1/2/3 (ceiling mounting): (Human) region intrusion/region entrance/region exiting/target counting by line, crowd density detection, heat map
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	10 ~ 20 m
Weather-proof Grade	IP67

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)
Dimensions (mm)	�‍ 130 × 46.3
Weight (net)	Approx. 516.2KG
Installation	Wall mounting, ceiling mounting, desktop
Certificate	CE, FCC, UKCA
Environment Protection	Complies with directive EU RoHS, WEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)