

CCTV IP / Professional IP cameras

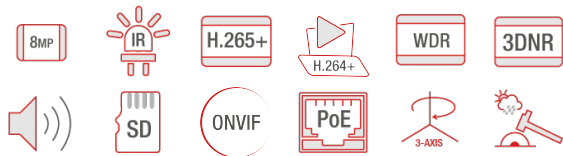
SF-IPD040A-8I2

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I2 range: evolution towards AI cameras with higher resolution

The I2 range includes 8MP cameras that include all the advanced Artificial Intelligence functionalities. IP cameras in this range have extensive features such as smoke, vehicle and motor vehicle detection, as well as video metadata for more targeted search of recordings, target counting and face detection.

- IP Dome Camera range I2 AI Advanced
- Resolution 8 Megapixel (3840x2160)
- Lens 2.8 mm | Audio | IR 30m | MIC
- Advanced AI: Video metadata and Detection. Facial
- Waterproofing IP67 & IK10 | PoE (IEEE802.3af)



Technical Specification

Camera	
Image Sensor	1 / 2.8 "CMOS
Image Size	3840×2160
Electronic Shutter	Auto/Manual mode; manual: 1 / 3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux@F1.6, AGC ON; 0 lux with IR
Lens	2.8mm@F1.6, Horizontal FoV:104°;Vertical FoV:55°;Diagonal FoV:125°
Focus	Fixed
Lens Mount	M12
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
Digital NR	3D DNR
EIS	Yes
Angle Adjustment	Pan :0°~355°, Tilt : 0°~70°, Rotation : 0°~180°
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, VGA(640×480)
Main Stream	8MP/6MP/5MP/4MP/2K/3MP/1080P/720P(60Hz:1~30fps; 50Hz:1~25fps) HFR Mode: 1080P/720P(60Hz: 1~60fps; 50Hz: 1~50fps)
Sub Stream	720P/D1/CIF/VGA/480 ×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Third Stream	720P/D1/CIF/480 ×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Bit Rate	64 Kbps ~ 12Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U

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

Smart Event	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection
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Statistics	Target counting by line/area, heat map
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Exception Detection	Scene change, video blur and abnormal color detection, audio exception
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Face Detection	Face detection and face capture
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Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature
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Interfaces

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

Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/mobile APP
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Web Browser	IE11(plug-in 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, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, QoS
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Interface Protocol	ONVIF(profile S, G, T, M)
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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 disconnection
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General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern
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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/RTSP
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PoE	Yes , IEEE802.3af
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IR Distance	20 ~ 30 m
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Ingress Protection	IP67&IK10
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DORI Distance

Lens	2.8mm
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Detect	83m(272ft)
Observe	33m(108ft)
Recognize	17m(56ft)
Identify	8m(26ft)
Others	
Power Supply	DC12V/PoE
Power Consumption	< 9W
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	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)