

CCTV IP / Professional IP cameras

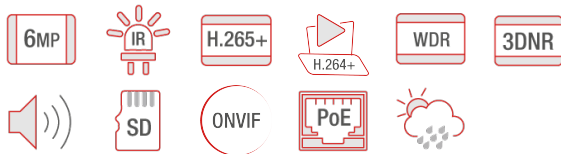
SF-IPT020A-6I1

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H.265+ ECO Series

The ECO range is the entry level for IP cameras. It stands out for its good night-time performance and Matrix LED illumination system, as well as its characteristic robustness and reliability, which satisfy any standard installation. Efficient H.265+ encoding, which saves 80% in storage and bandwidth over H.264 codec. Power over the POE network cable greatly simplifies installation.

- IP Dome Camera range I2 AI Advanced
- Resolution 6 Megapixel (3296×1856)
- Lens 2.8 mm | Audio | IR 30m | MIC
- Advanced AI: Video metadata and Detection. Facial
- IP67 Waterproof | PoE (IEEE802.3af) | P2P



Technical Specification

Camera	
Image Sensor	1 / 2.5 "CMOS
Image Size	3296 × 1856
Electronic Shutter	1 / 4 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.008 lux@F1.6,AGC ON; 0 lux with IR
Lens	2.8 mm@F1.6, horizontal FoV: 104°; vertical FoV: 54.5°; diagonal FoV:130°
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°~360°; Tilt:0°~75°; Rotation: 0°~360°
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	6MP (3296×1856), 6MP (3200×1800), 5MP (2880×1624), 4MP (2688×1520), 1080P (1920×1080), 720P (1280×720), D1, VGA(640×480), CIF, 480×240
Main Stream	6MP/5MP/4MP/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream	720P/D1/VGA/CIF/480×240(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Third Stream	D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~ 10 Mbps
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
ROI	Each ROI to be configured separately

Intelligent Analytics (Smart Events)

Smart Event	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection
Statistics	Target counting by line/area, heat map
Exception Detection	Scene change, video blur and abnormal color detection, audio exception
Face Detection	Face detection and face capture
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

Interfaces

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

Functions

Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/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, RTMP,RTCP, FTP, PPPoE, DDNS, SMTP,SNMP,HTTP, 802.1x, UPnP, HTTPs, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable disconnection
General Function	Watermark, video mask, heartbeat, image distortion correction, system config backup, corridor pattern
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
IR Distance	20~30 m
Ingress Protection	IP 67
PoE	Yes , IEEE802.3af

DORI Distance

Lens 2.8mm	D: 71m(232ft), O: 28m(93ft), R: 14m(46ft), I: 7m(23ft)
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Others

Power Supply	DC12V/PoE
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Power Consumption	< 7W
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)	Ø 94.6 × 82.8
Weight (net)	Approx. 0.46KG
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)