

CCTV IP / Professional IP cameras

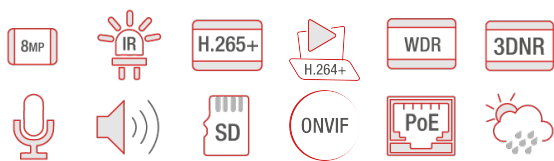
SF-IPT520ZA-8I2

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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 8 Megapixel (3840x2160)
- Motorized Lens 2.8-12 mm | Audio | IR 50m
- Advanced AI: Video Metadata and Facial Detection
- Waterproofing IP67 | 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	0.015 lux@F1.4, AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.4, motorized
Field of View	Horizontal: 97°~32°; Vertical:57°~18°; Diagonal: 115°~36°
Lens Mount	□14
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
EIS	Yes
Digital NR	3D DNR
Angle Adjustment	Pan: 0°~360°; Tilt:0°~80°; 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	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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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	No
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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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Functions

Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/mobile APP
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Web Browser	IE11(plugin 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, 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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IR Distance	30 ~50 m
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Ingress Protection	IP67
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PoE	Yes , IEEE802.3af
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DORI Distance

Lens 2.8~12mm

(W): D: 80m(262ft), O: 32m(105ft), R: 16m(52ft), I: 8m(26ft) (T): D: 273m(896ft), O: 109m(358ft), R: 55m(180ft), I: 27m(89ft)

Others

Power Supply	DC12V/PoE
Power Consumption	< 8W
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)	Ø130.7 × 109.3
Weight (net)	Approx. 0.65KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)