

CCTV IP / Professional IP cameras

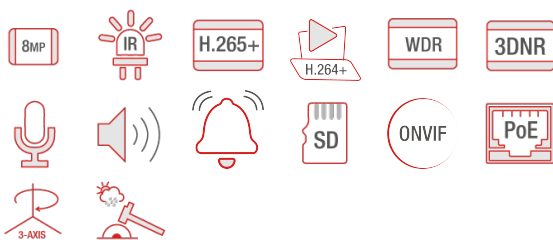
SF-IPD540ZA-8I2

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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 & 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	0.015 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
Digital NR	3D DNR
EIS	Yes
Angle Adjustment	Pan: 0°~345°; Tilt:0°~77°; Rotation: 0°~345°
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
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
Interfaces	
Network	RJ 45 10M/100M self-adaptive Ethernet port
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
Reset	Yes
Alarm	1CH alarm input; 1CH alarm output

Intelligent Analytics	
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

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, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, QoS
Interface Protocol	ONVIF(profile S, G, T, M)
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection; sensor alarm, SD card error; SD card full, IP address conflict, cable disconnection
General Function	Watermark, video mask, heartbeat, image distortion correction, 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/RTSP
IR Distance	30~50m
Ingress Protection	IP 67&IK10
PoE	Yes , IEEE802.3af

DORI Distance	
Lens	2.8~12mm(W) 2.8~12mm(T)
Detect	80m(262ft) 273m(896ft)

Observe	32m(105ft) 109m(358ft)
Recognize	16m(52ft) 55m(180ft)
Identify	8m(26ft) 27m(89ft)
Others	
Power Supply	DC12V/PoE
Power Consumption	< 10.5W
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 141 × 100.2
Weight (net)	Approx. 0.89KG
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)