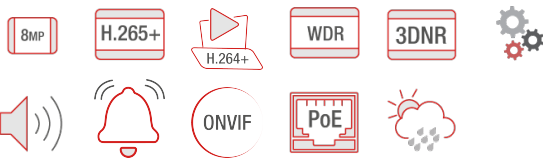CCTV IP / Professional IP cameras

SF-IPT180CA-8I1-SL

SF-IPT011CA-8I1-SL

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.

- Turret IP camera range I1 with Active Deterrence

- Resolution 8 Megapixel (3840x2160)

- Lens 2.8 mm | MIC & Speaker | Dual light 40m

- AI: Classification of human and vehicle

- Waterproofing IP67 | PoE (IEEE802.3af)

8MP | H.265+ | H.264+ | WDR | 3DNR

ONVIF | PoE

Technical Specification

Camera

Image Sensor	1 / 1.8" CMOS
Image Size	3840 × 2160
Electronic Shutter	1 / 2s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.008lux@F1.6,AGC ON, 0 lux with IR, 0 lux with LED
Lens	2.8 mm@F1.6, H.FoV:109°; V.FoV:57°; D.FoV:132°;
Focus	Fixed
Lens Mount	M12
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/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/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, VGA(640×480), CIF, 480 × 240
Main Stream	8MP/6MP/5MP/4MP/2K/3MP/1080P/720P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream	1080P/720P/D1/VGA/CIF (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Third Stream	D1/VGA/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~12 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, 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	No
Audio	1CH audio input; 1CH audio output; 1CH built-in speaker; 1CH built-in microphone
Storage	Built-in micro SD card slot; up to 256GB
Alarm	1CH alarm input; 1CH alarm output
Reset	Yes

Functions

Remote Monitoring	Web Client/NVR/NVMS2.0/Mobile APP
Web Browser	IE11(plug-in 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, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, Cable connection
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPS
PoE	Yes , IEEE802.3af
Supplement light Range	IR range: 30 ~ 40 m White light range: 30 ~ 40 m
Protection Grade	IP66

Intelligent Analytics

Video Abnormality	Scene change detection, video blur detection, abnormal color detection
Perimeter Detection	Line crossing detection (human/vehicle classification); Region intrusion/entrance/exiting detection (human/vehicle classification)
Sound&Light Warning	Yes
Other Events	Face detection and face capture, abandoned/missing object detection; heat map; target counting by line/area, heat map

DORI Distance

Lens 2.8mm	D: 80m(262ft), O: 32m(105ft), R: 16m(52ft), I: 8m(26ft)

Others

Power Supply	DC12V/PoE

Power Consumption	< 12.5W
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)	Ø111.5 × 99.6
Weight (net)	Approx. 0.64KG
Installation	Ceiling mounting; wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)