

CCTV IP / Professional IP cameras

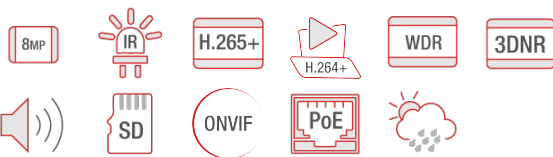
SF-IPT020A-8I2

SF-IPT020A-8I2

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)
- Lens 2.8 mm | Audio | IR 30m | MIC
- Advanced AI: Video metadata and Detection. Facial
- Waterproofing IP67 | PoE (IEEE802.3af)



Technical Specification

Camera	
Image Sensor	1 / 2.8" CMOS
Image Size	3840×2160
Electronic Shutter	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°~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	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)
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
-----------------------	---

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 built-in MIC
--------------	------------------------------------

Storage	Built-in micro SD card slot; up to 256GB
----------------	--

Reset	Yes
--------------	-----

Alarm	No
--------------	----

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 video cast 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
---------------------------	-------

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, corridor pattern, ANR
-------------------------	--

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	20~30m
--------------------	--------

Ingress Protection	IP67
---------------------------	------

PoE	Yes , IEEE802.3af
------------	-------------------

DORI Distance

Lens 2.8mm	D: 83m(272ft), O: 33m(108ft), R: 17m(56ft), I: 8m(26ft)
-------------------	---

Others

Power Supply	DC12V/PoE
Power Consumption	< 9W
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)