CCTV IP / Professional IP cameras

SF-IPD040A-4E1-NIGHTPRO

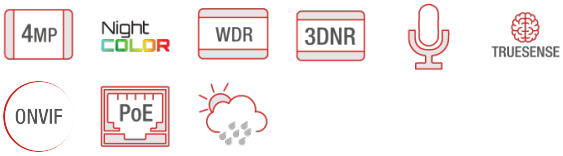
SF-IPT020A-4E1-NIGHT

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 E1 Night Color X AI ISP
- 1/2.9" Image Sensor F1.0
- Resolution 4 Megapixel (2688x1520)
- Lens 2.8 mm | Built-in microphone | LED 30m
- AI: Classification of human and vehicle
- Waterproofing IP67 | PoE (IEEE802.3af)





Technical Specification

Camera

Image Sensor	1 / 2.9" CMOS
Image Size	2688x1520
Electronic Shutter	1 /3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.0005 lux@ F1.0, AGC ON; 0 lux with LED ON
S/N Ratio	≥50dB
Lens	2.8 mm @F1.0, H.FoV: 99°; V.FoV:53°; D.FoV:116°
Focus	Fixed
Lens Mount	M12
Wide Dynamic Range	No
BLC	Yes
HLC	Yes
Defog	No
Digital NR	3D DNR
Angle Adjustment	Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°

Image

Video Compression	Main stream: H.265 / H.264 Sub stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	4Mpx (2688x1520), 2K (2560x1440), 1080P (1920x1080), 720P (1280x720), D1, VGA (640x480), 640x360, CIF, 480x240
Main Stream	60Hz:4MP/2K/1080P(1~30fps); 50Hz:4MP/3MP/1080P/720P(1~25fps)
Sub Stream	60Hz : 720P/D1/ /CIF(1~VGA 30fps); 50Hz: 720P/D1/VGA/CIF (1~25fps)
Third Stream	60Hz : D1/CIF/480×240 (1~30fps); 50Hz: D1/CIF/480×240 (1~25fps)
Bit Rate	32 Kbps ~ 8 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	RJ45
Video Output	No
Audio	1CH audio input; 1CH built-in MIC
Storage	Built-in micro SD card slot, up to 512GB
Reset	Yes

Functions

Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/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 3 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPs, HTTP, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Intelligent Analytics	Video exception detection, intrusion detection, line crossing detection and abandoned / missing object detection
Smart Alarm	Motion detection, SD card error, SD card full
General Function	Watermark, video mask, heartbeat, 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/HTTPs
PoE	Yes (IEEE802.3af)
White Light Range	20 ~ 30 m
Ingress Protection	IP 67

Intelligents Analytics

Smart Event	Line crossing, region intrusion/entrance/exiting (human/vehicle classification), abandoned/ missing object detection
Statistics	Target counting by line (human/vehicle classification)
Exception Detection	Scene change, video blur and abnormal color detection, audio exception
Face Detection	Face detection, face capture

DORI Distance

Lens 2.8 mm	D: 61m(189.50ft), O: 24m(75.82ft), R: 12m(37.89ft), I: 5m(18.96ft)

Others

Power Supply	DC12V/PoE
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)	¤ 94.6 × 82.8
Weight (net)	Approx. 0.456KG
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)