

CCTV IP / Professional IP cameras

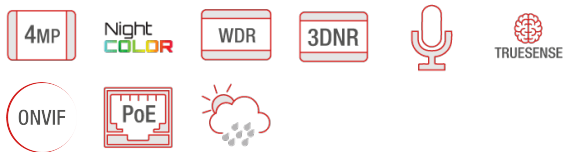
# SF-IPD040A-4I1-NIGHTPRO

## SF-IPB080A-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.

- Bullet 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/480x240 (1~30fps); 50Hz: D1/CIF/480x240 (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	

<b>Network</b>	RJ45
<b>Video Output</b>	No
<b>Audio</b>	1CH audio input; 1CH built-in MIC
<b>Storage</b>	Built-in micro SD card slot, up to 512GB
<b>Reset</b>	Yes

## Functions

<b>Remote Monitoring</b>	Web Browser/TVT NVMS2.0/NVR/mobile APP
<b>Web Browser</b>	IE11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
<b>Online Connection</b>	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
<b>Network Protocol</b>	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPs, HTTP, QoS
<b>Interface Protocol</b>	ONVIF
<b>Storage</b>	Network remote storage; micro SD card storage
<b>Intelligent Analytics</b>	Video exception detection, intrusion detection, line crossing detection and abandoned / missing object detection
<b>Smart Alarm</b>	Motion detection, SD card error, SD card full
<b>General Function</b>	Watermark, video mask, heartbeat, corridor pattern
<b>Security</b>	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs
<b>PoE</b>	Yes (IEEE802.3af)
<b>White Light Range</b>	20 ~ 30 m
<b>Ingress Protection</b>	IP 67

## Intelligents Analytics

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

## DORI Distance

<b>Lens 2.8 mm</b>	D: 61m(189.50ft), O: 24m(75.82ft), R: 12m(37.89ft), I: 5m(18.96ft)
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## Others

<b>Power Supply</b>	DC12V/PoE
<b>Power Consumption</b>	< 7W
<b>Storage Conditions</b>	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)

<b>Operating Conditions</b>	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
<b>Dimensions ( mm )</b>	74.50 (Al) x 74.50 (An) x 167.5 (Fo) mm
<b>Weight ( net )</b>	Approx. 0.456KG
<b>Installation</b>	Ceiling mounting; wall mounting
<b>Certificate</b>	CE, FCC
<b>Environmental Protection</b>	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)