

CCTV IP / Professional IP cameras

SF-IPB580ZA-8E1-DL

SF-IPB080A-4E1

E1 Range: Professional Series with Artificial Intelligence

An ideal option tailored for professional installers, featuring 4MP and 6MP cameras equipped with compelling sensors and functionalities. The cameras in this series feature artificial intelligence, War Lighting, StarLight sensor, 120db WDR and Smart IR 2.0. They offer human and vehicle detection on area intrusion and line crossing. Models with NightColor functionality illuminate the scene so that you can continue viewing in colour, and also have an intruder deterrent light.

- Bullet IP Camera range E1 Artificial Intelligence
- Resolution 8 Megapixel (3840x2160)
- Motorized Lens 2.8~12mm | DualLight up to 50m
- AI: Classification of human and vehicle
- Waterproofing IP67 | PoE (IEEE802.3af)



Technical Specification

Camera	
Image Sensor	1 / 2.5 "CMOS
Image Size	3840x2160
Electronic Shutter	1 / 2s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.005 lux @F1.6, AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.4,H.FoV: 92 °~31 °; V.FoV: 48 °~17.2°; D.FoV: 112 °~ 35.6 °
Focus	Varifocal (motorized)
Lens Mount	M12
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	No
Digital NR	Yes
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°;Rotation: 0°~360°
Image	
Video Compression	Main stream: H.265 / H.264 Sub/third stream: H.265 / H.264 / MJPEG
H.265 Compression Standard	Main Profile@Leve4.1 High Tier
Resolution	8MP (3840x2160), 4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 1080), 720P (1280 × 720), D1, 480× 240, CIF
Main Stream	60Hz: 4MP/3MP/1080P/720P(1~30fps); 50Hz: 4MP/3MP/1080P/720P(1~25fps)
Sub Stream	60Hz: 720P/D1/CIF (1~30fps);50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/480× 240/CIF (1~30fps);50Hz: D1/480× 240/CIF(1~25fps)
Bit Rate	64 Kbps ~ 8 Mbps
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	RJ45

Video Output	No
Audio	1CH audio input
Storage	Built-in micro SD card slot, up to 256GB
Reset	Yes

Functions

Remote Monitoring	Web browser /Safire Smart NVR/ Safire Smart VMS / Safire Smart APP
Web Browser	IE (plug-in required)/Google Chrome/Edge/Firefox/Safari
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, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card full, SD card error
Smart Event	Video Exception (scene change, video blur and video cast detection), line crossing detection and region intrusion detection by human / vehicle
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login lock, corridor pattern
PoE	Yes
IR Distance	30 ~ 50 m
Ingress Protection	IP67

DORI Distance

Lens	2.8~12mm(W) 2.8~12mm(T)
Detect	63.99m(209.94ft) 188.65m(618.93ft)
Observe	25.60m(83.98ft) 75.46m(247.57ft)
Recognize	12.80m(41.99ft) 37.73m(123.78ft)
Identify	6.40m(20.99ft) 18.86m(61.87ft)

Others

Power Supply	DC12V/PoE
Power Consumption	< 8W
Operating Environment	- 30 °C ~ 60 °C (-22°F~140°F);Humidity: less than 95 % (non-condensing)
Storage Environment	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	217.8 × 80.5 × 80.3
Weight (net)	Approx. 0.66KG
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)