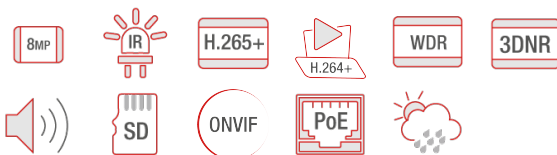# SF-IPB585ZA-12I1

SF-IPB585ZA-12I1

I2 range: evolution towards AI cameras with higher resolution

The I2 range includes 8MP cameras that include all the advanced Artificial Intelligence functionalities. IP cameras in this range have extensive features such as smoke, vehicle and motor vehicle detection, as well as video metadata for more targeted search of recordings, target counting and face detection.

- Bullet IP camera range I1 AI Advanced

- Resolution 12 Megapixel (4000×3000)

- Lens 2.8-12 motorized mm | Audio | IR 70m

- Advanced AI: Video Metadata and Facial Detection

- Waterproofing IP67 | PoE (IEEE802.3af)

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

SD | ONVIF | PoE

Technical Specification

Camera

Image Sensor	SF-IPB585ZA-12I1
Image Size	4000×3000
Electronic Shutter	Auto/Manual mode; manual: 1 / 3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.015 lux@F1.4, AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.4, motorized
Field of View	H: 96°~46°°, V: 70°~35°, D: 128°~58°
Lens Mount	◘14
Day&Night	ICR
Wide Dynamic Range	75dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; 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	12MP (4000×3000), 8MP (3840 ×2160), 6MP (3200×1800), 4MP (2688×1520), 1080P(1920×1080), 720P (1280×720), D1, VGA (640×480), 640×360, CIF, 480×240
Main Stream	12MP/8MP/6MP/4MP/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream	1080P/720P/D1 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Third Stream	720P/D1/VGA/640×360/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~ 16Mbps
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	CVBS output (BNC×1)
Audio	1CH audio input; 1CH audio output
Storage	Built-in micro SD card slot; up to 256GB
Alarm	1CH alarm input; 1CH alarm output
Reset	Yes

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 abnormal color 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 Client/NVR/NVMS2.0/Mobile APP
Web Browser	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; sensor alarm, SD card error; SD card full, IP address conflict, cable disconnection
Intelligent Analytics	Scene change, video blur detection, abnormal color detection , line crossing detection, intrusion detection
General function	Watermark, video mask, heartbeat, image distortion correction, 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/RTSP
PoE	Yes , IEEE802.3af
IR Distance	50~70m
Protection Grade	IP67

DORI Distance

Lens	2.8~12mm(W)	2.8~12mm(T)
Detect	80m(262ft)	273m(896ft)

Observe	32m(105ft) | 109m(358ft)
Recognize	16m(52ft) | 55m(180ft)
Identify	8m(26ft) | 27m(89ft)

Others

Power Supply	DC12V/PoE
Power Consumption	< 12W
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)	278.3 × 100.2 × 88.7
Weight (net)	Approx. 1.04KG
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)