

CCTV IP / Professional IP cameras

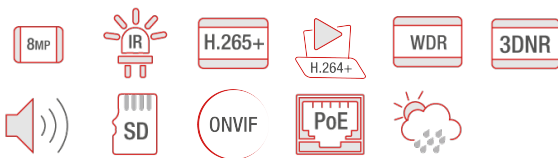
# SF-IPB585ZA-8I2

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### 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 I2 AI Advanced
- Resolution 8 Megapixel (3840x2160)
- Lens 2.8-12 motorized mm | Audio | IR 50m
- Advanced AI: Video Metadata and Facial Detection
- Waterproofing IP67 | PoE (IEEE802.3af)



## Technical Specification

| Camera                     |                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor               | 1 / 2.8 "CMOS                                                                                                                                                                                       |
| Image Size                 | 3840×2160                                                                                                                                                                                           |
| 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              | Horizontal: 97°~32°; Vertical:57°~18°; Diagonal: 115°~36°                                                                                                                                           |
| Lens Mount                 | □14                                                                                                                                                                                                 |
| Day&Night                  | ICR                                                                                                                                                                                                 |
| Wide Dynamic Range         | 120dB                                                                                                                                                                                               |
| 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<br>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) HFR Mode: 1080P/720P(60Hz: 1~60fps; 50Hz: 1~50fps)                                                                                    |
| 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       |
| <b>Interfaces</b> |                                            |
| 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                                        |

|                              |                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intelligent Analytics</b> |                                                                                                                                                                  |
| 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 |

|                       |                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functions</b>      |                                                                                                                                                                                                   |
| Remote Monitoring     | Web Client/NVR/NVMS2.0/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(profile S, G, T, M)                                                                                                                                                                         |
| 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                                                                                                                                                                                              |

|                      |                           |
|----------------------|---------------------------|
| <b>DORI Distance</b> |                           |
| Lens                 | 2.8~12mm(W)   2.8~12mm(T) |

|                                 |                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------|
| <b>Detect</b>                   | 80m(262ft)   273m(896ft)                                                        |
| <b>Observe</b>                  | 32m(105ft)   109m(358ft)                                                        |
| <b>Recognize</b>                | 16m(52ft)   55m(180ft)                                                          |
| <b>Identify</b>                 | 8m(26ft)   27m(89ft)                                                            |
| <b>Others</b>                   |                                                                                 |
| <b>Power Supply</b>             | DC12V/PoE                                                                       |
| <b>Power Consumption</b>        | < 12W                                                                           |
| <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>        | 278.3 × 100.2 × 88.7                                                            |
| <b>Weight ( net )</b>           | Approx. 1.04KG                                                                  |
| <b>Installation</b>             | Ceiling mounting; wall mounting                                                 |
| <b>Certificate</b>              | CE, FCC                                                                         |
| <b>Environmental Protection</b> | Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006) |