

CCTV IP / Professional IP cameras

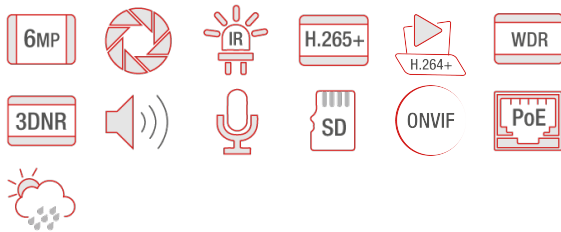
# SF-IPT511ZA-6E1-DL

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### 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 Artificial Intelligence
- 6 (3200×1800) Megapixel Resolution | Audio IN
- 2.8~12mm Motorized Lens | IR & White Light 50m
- AI: Classification of human and vehicle
- Waterproofing IP67 | PoE (IEEE802.3af)



## Technical Specification

| Camera                     |                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor               | 1 / 2.5 "CMOS                                                                                                                                             |
| Image Size                 | 3200×1800                                                                                                                                                 |
| Electronic Shutter         | 1 / 4 s ~ 1 / 100000 s                                                                                                                                    |
| Iris Type                  | Fixed Iris                                                                                                                                                |
| Min. Illumination          | 0.008 lux @F1.6, AGC ON; 0 lux with illumination on                                                                                                       |
| Lens                       | 2.8~12mm@F1.6,                                                                                                                                            |
| Field of View              | Horizontal: 108°~36°; Vertical: 57°~20°; Diagonal: 129°~42°                                                                                               |
| Focus                      | Motorized                                                                                                                                                 |
| Lens Mount                 | □14                                                                                                                                                       |
| Day&Night                  | ICR                                                                                                                                                       |
| Wide Dynamic Range         | 120dB                                                                                                                                                     |
| BLC                        | Yes                                                                                                                                                       |
| HLC                        | Yes                                                                                                                                                       |
| Digital NR                 | Yes                                                                                                                                                       |
| S/N Ratio                  | ≥50dB                                                                                                                                                     |
| Angle Adjustment           | Pan: 0°~360°; Tilt:0°~80°;Rotation: 0°~360°                                                                                                               |
| Image                      |                                                                                                                                                           |
| Video Compression          | Main stream: H.265+ / H.265 / H.264+ / H.264 Sub /Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                   |
| H.265 Compression Standard | Main Profile@Leve4.1 High Tier                                                                                                                            |
| Resolution                 | 6MP ( 3200 × 1800 ), 4MP ( 2688× 1520), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, VGA (640× 480), 480× 240, CIF                                     |
| Main Stream                | 60Hz: 6MP(1~20fps) /4MP/1080P (1~30fps) 50Hz: 6MP(1~20fps) /4MP/1080P (1~25fps)                                                                           |
| Sub Stream                 | 720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                            |
| Third Stream               | D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                            |
| Bit Rate                   | 64 Kbps ~8Mbps                                                                                                                                            |
| 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 |
| Audio Compression          | G711A/U                                                                                                                                                   |
| 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 256GB                                                                                                                                                                     |
| Reset                  | Yes                                                                                                                                                                                                          |
| Functions              |                                                                                                                                                                                                              |
| Remote Monitoring      | Web browser /TVT NVR/NVMS2.X/Mobile APP                                                                                                                                                                      |
| Web Browser            | IE (plug-in required)/Google Chrome/Edge/Firefox/Safari                                                                                                                                                      |
| Online Connection      | Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission                                                                                                               |
| Network Protocol       | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, P2P, QoS                                                                              |
| Interface Protocol     | ONVIF                                                                                                                                                                                                        |
| Storage                | Network remote storage; micro SD card storage                                                                                                                                                                |
| Smart Alarm            | Motion detection, SMD, SD card full, SD card error                                                                                                                                                           |
| Smart Event            | Video Exception (scene change, video blur and abnormal color detection), line crossing /region intrusion detection(human/motor vehicle/non-motor vehicle classification), abandoned/missing object detection |
| General Function       | Watermark, IP address filtering, video mask, heartbeat, system config backup, smart supplement light, corridor pattern                                                                                       |
| PoE                    | Yes (IEEE802.3af)                                                                                                                                                                                            |
| Supplement Light Range | IR range: 30 ~ 50 m; white light range:30 ~ 40 m                                                                                                                                                             |
| Ingress Protection     | IP67                                                                                                                                                                                                         |
| Security               | Video encryption, firmware encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP                                   |
| DORI Distance          |                                                                                                                                                                                                              |
| Lens 2.8~12mm          | (W): D: 66m(218ft), O: 27m(87ft), R: 13m(44ft), I: 7m(23ft) (T): D: 204m(669ft), O: 82m(269ft), R: 41m(135ft), I: 20m(66ft)                                                                                  |
| Others                 |                                                                                                                                                                                                              |
| Power Supply           | DC12V/PoE                                                                                                                                                                                                    |
| Power Consumption      | < 9.5W                                                                                                                                                                                                       |
| 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 )      | 111.6 × 99.6                                                                                                                                                                                                 |
| Weight ( net )         | Approx. 0.66KG                                                                                                                                                                                               |

|                                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| <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) |