# ES-852O22C-S5 | Lite Series
## 2MP Fixed Lens Face Detection Eyeball IP Camera

- 1/2.9" 2MP CMOS sensor
- H.265 dual stream encoding
- 3.6mm high-quality optical lens
- 30m IR effective range
- Built-in PoE
- Embedded face detection algorithm
- Multiple web browsers supported
- P2P cloud remote viewing by Mobile Application/VMS
- Lightning protection up to 6kV
- IP67 metal casing

**2MP**  **3D DNR**  IP67

## System Overview

Lite Series is a super cost-efficient solution that is powered by cutting-edge technology for crystal clear video monitoring with an embedded face detection algorithm. The P2P cloud function is built-in for every device, allowing more convenient and flexible remote real-time viewing and monitoring.

## Functions

**H.265**
H.265 technology is an evolutionary optimization of traditional H.264; it includes a series of encoding strategies such as dynamic ROI, smart 2D&3D noise reduction, and so on, for delivering high-quality videos, and significantly saving up to 70% bandwidth and storage.

**Protection**
With the precise mechanical and rugged metal casing design, IP cameras of the Lite series rated IP67 could stand against water and dust for a long time.
With 10% of input voltage tolerance, the cameras could work safely under extreme or unstable power conditions.
With a working temperature range from -20°C to 55°C, the cameras could adapt to a variety of harsh outdoor environments.
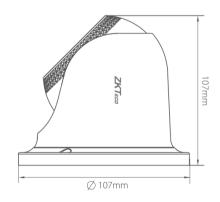
## Technical Parameters

### Camera

| | | | |
|---|---|---|---|
| Model | ES-852O22C-S5 | Flash / DDR | 16Mb / 512Mb |
| Image Sensor | 1/2.9" CMOS | IR LED No. | 2 |
| Effective Pixels | 1920*1080 | IR Distance | 30m |
| Min. Illumination | Color: 0.5Lux@F2.0 (AGC ON) B/W: 0.001Lux@F2.0 (IR ON) | S/N Ratio | ≥50dB |

### Lens

| | | | |
|---|---|---|---|
| Lens Type | Fixed | Aperture | F2.0 |
| Mount Type | Board-in | FOV | 92° |
| Focal Length | 3.6mm | Optical Zoom | N/A |

### Video

| | | | | |
|---|---|---|---|---|
| Compression | | H.265 / H.264 | WDR | DWDR |
| Resolution | | 1080P (1920 × 1080) 1.3M (1280 × 960) 720P (1280 × 720) | Day / Night | Support |
| Bitrate Control | | CBR / VBR | White Balance | Support |
| Bitrate | | H.265: 128Kbps - 6Mbps H.264: 128Kbps - 6Mbps | Defog | N/A |
| Multi-Streaming | Main Stream | 1080P@25fps / 960P@25fps / 720P@25fps | Noise Reduction | 2D/3D DNR |
| | Sub Stream | D1@25fps / VGA@25fps / CIF@25fps | Mirror/Flip | Support |
| | Third Stream | N/A | Corridor Mode | Support |
| Motion Detection | | Support | HLC | Support |
| Digital Zoom | | Support | BLC | Support |
| Audio Compression | | G7.11u | ROI | 4 areas |
| Privacy Mask | | 4 areas | Anti-flicker | N/A |

### IVA

| | |
|---|---|
| Intelligent Video | Face Detection |

### Facial Detection

| | | | |
|---|---|---|---|
| Face Templates | N/A | Face Quality Filtering | Support |
| Face Detected per Frame | 5 | Detection Area | User-defined |
| Detected Face Size | 80x80~300x300 Pixels | Capture Response | ≤200ms |

## Network

| | | | |
|---|---|---|---|
| Protocol | TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP | Management Software (VMS) | AntarVis 2.0 ZKBioSecurity IVS ZKBioAccess IVS |
| Interoperability | ONVIF, GB28181 | Operation System | Windows |
| Max. Online Users | 3 | Mobile APP | AntarView Pro |
| Web Browser | IE / Firefox / Chrome / Safari | P2P Cloud Service | Support |

## Interface

| | | | |
|---|---|---|---|
| Ethernet | 1 RJ-45 port (10/100Mbps) | Reset Button | N/A |
| Audio I/O | N/A | Micro-SD Slot | N/A |
| Alarm I/O | N/A | ANR | N/A |
| RS485 | N/A | USB | N/A |

## General

| | | | |
|---|---|---|---|
| Power Supply | PoE, DC 12V±10% | Working Temperature | -30℃ ~ 60℃ |
| Power Consumption | <3.7W | Working Humidity | 0% ~ 90% |
| Ingress Protection | IP67 | Net Weight | 0.39kg |
| Dimensions | Φ107 x 107 (mm) | Gross Weight | 0.52kg |

## Order Information

| Camera | Model | Description |
|---|---|---|
| 2MP Camera | ES-852O22C-S5 | 2MP Fixed Lens Face Detection Eyeball IP Camera |

## Dimensions (mm)