

# ES-852021C-S5-MI | Lite Series

2MP Fixed Lens Face Detection Eyeball IP Camera



- 1/2.9" 2MP CMOS sensor
- H.265 dual stream encoding
- 2.8mm high-quality optical lens
- 30m IR effective range
- Built-in PoE & microphone
- Embedded face detection algorithm
- Multiple web browsers supported
- P2P cloud remote viewing by Mobile Application/VMS
- Lightning protection up to 6kV
- IP67 metal casing



## 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-852021C-S5-MI   | Flash / DDR | 128Mb / 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)<br>B/W: 0.001Lux@F2.0(IR ON) | S/N Ratio   | ≥50dB         |

### Lens

|              |          |              |      |
|--------------|----------|--------------|------|
| Lens Type    | Fixed    | Aperture     | F2.0 |
| Mount Type   | Board-in | FOV          | 105° |
| Focal Length | 2.8mm    | Optical Zoom | N/A  |

### Video

|                   |   |  |                 |           |
|-------------------|---|--|-----------------|-----------|
| Compression       | H.265 / H.264   |  | WDR             | DWDR      |
| Resolution        | 1080P (1920 × 1080)<br>1.3M (1280 × 960)<br>720P (1280 × 720) |  | Day / Night     | Support   |
| Bitrate Control   | CBR / VBR   |  | White Balance   | Support   |
| Bitrate           | H.265: 128Kbps - 6Mbps<br>H.264: 128Kbps - 6Mbps              |  | Defog           | N/A       |
| Multi-Streaming   | Main Stream   | 1080P@25fps /<br>960P@25fps / 720P@25fps | Noise Reduction | 2D/3D DNR |
|                   | Sub Stream  | D1@25fps / VGA@25fps /<br>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<br>ZKBioSecurity IVS<br>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 | Built-in Mic for audio in | 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°C ~ 60°C |
| Power Consumption  | <3.7W           | Working Humidity    | 10% ~ 90%    |
| Ingress Protection | IP66            | Net Weight          | 0.39kg       |
| Dimensions         | Φ107 x 107 (mm) | Gross Weight        | 0.52kg       |

## Order Information

| Camera     | Model            | Description                                     |
|------------|------------------|---|
| 2MP Camera | ES-852021C-S5-MI | 2MP Fixed Lens Face Detection Eyeball IP Camera |

## Dimensions (mm)

