

ES-852T22C | BioPro Series

2MP Fixed Lens Face Detection Eyeball IP Camera



- 1/2.8" 2MP STARVIS CMOS Sensor
- H.265 dual-stream encoding
- High-quality optical lens: 3.6mm
- 30m IR effective range
- An embedded face detection algorithm
- White/Black-list alarm deployment
- Intelligent video analytics available
- Multiple web browsers supported
- Remote viewing with mobile application or VMS
- Lightning protection up to 6KV
- IP67 metal casing

System Overview

Powered by Sony STARVIS's sensor providing excellent night vision, together with true WDR and cutting-edge technology, the BioPro series of 2MP starlight IP cameras are an ideal project-oriented solution for ideal images and video surveillance in indoor and outdoor environments from day to night. With embedded face detection algorithm, the cameras support White/Black list event alarm deployment in different scenarios.

The BioPro series also offers multiple industry-leading intelligent video analytic functions, such as Face Detection, Line Crossing, Intrusion, Object Left/Lost, Counting, for smart event alarms.

The P2P cloud function is built-in for every device, which is more convenient and flexible for remote real-time viewing.

Functions

H.265

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

Protection

With its precise mechanical and rugged metal casing design, IP cameras of the BioPro 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 -30°C to 60°C, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

Camera

| | | | |
|-------------------|------------------------------|-------------|--------------|
| Model | ES-852T22C | Flash / DDR | 1Gb / 4Gb |
| Image Sensor | 1/2.8" 2MP Sony STARVIS CMOS | IR LED No. | 2 (Smart IR) |
| Effective Pixels | 1920*1080 | IR Distance | 30m |
| Min. Illumination | 0.001Lux@F2.0 (AGC ON) | S/N Ratio | >52dB |

Lens

| | | | |
|--------------|----------|--------------|------|
| Lens Type | Fixed | Aperture | F2.0 |
| Mount Type | Board-in | FOV | 85° |
| Focal Length | 3.6mm | Optical Zoom | N/A |

Video

| | | | |
|-------------------|---|-----------------|-----------|
| Compression | H.265 / H.264 | WDR | TWDR |
| Resolution | 1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) | Day / Night | Support |
| Bitrate Control | CBR / VBR | White Balance | Support |
| Bitrate | 1024Kbps ~ 4Mbps | Defog | Support |
| Multi-Streaming | Main Stream: 1080P@25fps / 960P@25fps / 720P@25fps | Noise Reduction | 2D/3D DNR |
| | Sub Stream: Q720P(640*360)@25fps / CIF@25fps | Mirror/Flip | Support |
| | Third Stream: N/A | Corridor Mode | Support |
| Motion Detection | Support | HLC | N/A |
| Digital Zoom | Support | BLC | Support |
| Audio Compression | G7.11u | ROI | 4 areas |
| Privacy Mask | 5 areas | Anti-flicker | Support |

IVA

| | |
|-------------------|--|
| Intelligent Video | Face Detection / Line Crossing / Intrusion / Object Left / Lost / Counting / Video Tampering |
|-------------------|--|

Face Detection

| | | | |
|-------------------------|------------------------|------------------------|--------------|
| Face Templates | N/A | Face Quality Filtering | Support |
| Face Detected Per Frame | 30 | Detection Area | User-defined |
| Detected Face Size | 80x80 ~ 300x300 Pixels | Capture Response | ≤1s |

Network

| | | | |
|-------------------|---|---------------------------|--|
| Protocol | TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPPoE, UPNP, SMTP, SNMP | Management Software (VMS) | AntarVis 2.0 ZKBioSecurity IVS BioAccess IVS |
| Interoperability | ONVIF Profile S, SDK, API | Operation System | Windows |
| Max. Online Users | 3 | Mobile APP | AntarView Pro |
| Web Browser | IE / Firefox / Chrome / Safari | P2P Cloud Service | Support |

Note: Video streaming is not available for Firefox/Chrome/Safari

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 (IEEE802.3af), DC 12V±10% | Working Temperature | -30°C ~ 60°C |
| Power Consumption | <3W | Working Humidity | 10% ~ 90% |
| Ingress Protection | IP67 | Net Weight | 0.38kg |
| Dimensions (L*W*H) | 107 * 107 * 78 (mm) | Gross Weight | 0.48kg |

Order Information

| Camera | Model | Description |
|------------|------------|---|
| 2MP Camera | ES-852T22C | 2MP Fixed Lens Face Detection Eyeball IP Camera |

Dimensions (mm)

