

# ES-852T21C | 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: 2.8mm
- 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 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-852T21C	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	110°
Focal Length	2.8mm	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
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### 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-852T21C	2MP Fixed Lens Face Detection Eyeball IP Camera

**Dimensions (mm)**