ES-852O21B | BioEco 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
- Embedded face detection algorithm
- White/Black list alarm deployment
- Intelligent video analytics available
- 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

BioEco Series is a super cost-efficient solution that is powered by cutting-edge technology for crystal clear video monitoring with embedded face detection algorithm, the camera supports White/Black list event alarm deployment in different scenarios. The camera also supports 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 , 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 BioEco 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℃ to 60℃, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

Camera

Model	ES-852O21B	Flash / DDR	128Mb / 512Mb
Image Sensor	1/2.9" CMOS	IR LED No.	2
Effective Pixels	1920*1080	IR Distance	30m
Min. Illumination	Color: 0.08Lux@F2.0 (AGC ON) B/W: 0.001Lux@F2.0 (AGC ON)	S/N Ratio	>52dB

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) 1.3M (1280 × 960) 720P (1280 × 720)	Day / Night	Support
Bitrate Control		CBR / VBR	White Balance	Support
Bitrate		H.265: 1536Kbps - 4Mbps H.264: 1792Kbps - 4Mbps	Defog	Support
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	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

Facial 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, DHCP, RTSP, NTP	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℃ ~ 60℃
Power Consumption	<3W	Working Humidity	10% ~ 90%
Ingress Protection	IP67	Net Weight	0.25kg
Dimensions	Φ85.65 x 95mm	Gross Weight	0.28kg

Order Information

Camera	Model	Description
2MP Camera	ES-852O21B	2MP Fixed Lens Face Detection Eyeball IP Camera

Dimensions (mm)

95.00mm

Ø 85.65mm