ZKTeco USA

ES-854N21C-E3

4MP Fixed Lens Face Detection Eyeball IP Camera

- 1/2.8" Sony STARVIS sensor
- H.265+ dual-stream encoding
- High-quality optical lens: 2.8mm
- 30m IR effective range
- Built-in PoE
- An embedded face detection algorithm
- 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

BioPro Series 4MP IP cameras provide a cost-efficient solution that is powered by cutting-edge technology for crystal-clear video monitoring.

With an embedded face detection algorithm, the camera supports White/Black-list event alarm deployment under 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 H.265 and 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.

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Technical Parameters

Camera

Model	ES-854N21C-E3	Flash / DDR	128Mb / 1Gb
Image Sensor	1/2.8" Sony STARVIS CMOS	IR LED No.	2
Effective Pixels	2592*1520	IR Distance	30m
Min. Illumination	Color: 0.01Lux@F1.6(AGC ON) B/W: 0.001Lux@F1.6(AGC ON)	S/N Ratio	>52dB

Lens

Lens Type	Fixed	Aperture	F1.6
Mount Type	Board-in	FOV	99°
Focal Length	2.8mm	Optical Zoom	N/A

Video

Compression	H.265+, H.265, H.264	WDR	TWDR
Resolution	4MP (2592 x 1520) / 3MP (2304 x 1296) / 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	N/A
Multi-Streaming	Main Stream: 4MP@25fps / 3MP@25fps / 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	5 areas	Anti-flicker	Support

IVA

Intelligent Video	Face Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / 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

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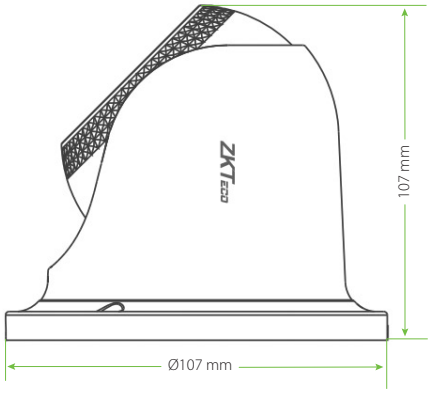
Network			
Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, NTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS ZKBioAccess IVS
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows
Max. Online Users	3	Mobile APP	AntarView Pro
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud Service	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	Φ107 * 107 (mm)	Gross Weight	0.48kg

Order Information

Camera	Model	Description
4MP Camera	ES-854N21C-E3	4MP Fixed Lens Face Detection Eyeball IP Camera

Dimensions (mm)



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