

EL-854N38I-E3

4MP Motorized Lens Face Detection Eyeball IP Camera



- 1/2.8" Sony STARVIS CMOS sensor
- H.265+ dual-stream encoding
- High-quality optical lens: 3.6-10.8mm
- 50m 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.

Technical Parameters

ModelFlash / DR128Mb / 16bImage Sensor172.8° Sony STARVIS CMOSIR LED No.2Effective Pikels3.000000000000000000000000000000000000	Camera					
Effective Pixels 2592*1520 IR Distance 50m Min. Illumination Color: 0.11.ux@F1.7 (AGC ON) B/W: 0.001Lux@F1.7 (AGC ON) B/W: 0.001 CBR / MB/ (2502 x 1520) / 3MP (2304 x 1296) / 1080P (1920 x 1080) / 1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) B/W: 0.004P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 960) / 1.3MP (1280 x 960) / 720P (1280 x 960) / 1.3MP (1280 x 960) / 720P (1280 x 960) / 1.3MP (1	Model	EL-854N38I-E3	Flash / DDR	128Mb / 1Gb		
Min. IlluminationColor: 0.1Lux@F1.7 (AGC ON) B.WW: 0.001Lux@F1.7 (AGC ON) B.F.S/N Ratio>>208LensImage: Single Constraint on the state of t	Image Sensor	1/2.8" Sony STARVIS CMOS	IR LED No.	2		
Nink midminationBAW: 0001Lux@F1.7 (AGC ON)SIN RatioSIN RatioLensLens TypeMotorizedApertureF1.7-F3.3Mount TypeBoard-inFOV29.8"-93.5"Focal Length3.6mm -10.8mmOptical Zoom3XVideo3X3XVideoTWDRSupportResolutionH2654, H.265, H.264WDRTWDRResolution1080P (1920 x 1080) / 13MP (2304 x 1296) / 13MP (2304 x 1296) / 13MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR/VBRWhite BalanceSupportBitrate ControlCBR/VBRDefogN/AMulti-Stream: 4MP 025fps / 3MP 025fps / 1080P 025fps / 1080P 025fps / 720P 025fps / 1080P 025fps / 1080P 025fps / 720P 025fps / 1080P	Effective Pixels	2592*1520	IR Distance	50m		
Lens TypeMotorizedApertureF1.7-F3.3Mount TypeBoard-inFOV29.8°-93.5°Focal Length3.6mm 10.8mmOptical Zoom3.XVideo7.X3.XCompressionH265+, H265, H264WDRTWDRResolution4MP (2592 x 1520)/ 3MP (2304 x 1296) / 1.800P (1920 x 1080) / 1.3MP (1280 x 900) 720P (1280 x 720)Day/ NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate Control1024Kbps ~ 4MbpsDefogN/AMain Stream: 4MP (25fps / 3MP (25fps / 3	Min. Illumination		S/N Ratio	>52dB		
Mount Type Board-in FOV 29.8°-93.5° Focal Length 3.6mm -10.8mm Optical Zoom 3.X Video	Lens					
Focal Length Model Optical Zoom Main Focal Length M3.6mm-10.8mm Optical Zoom 3X Video Compression H.265+, H.265, H.264 WDR TWDR Resolution MMP (2592 x 1520) / 3MP (2304 x 1296) / 1080P (1920 x 1080) / 1080P (19	Lens Type	Motorized	Aperture	F1.7~F3.3		
Video Video Compression H.265+, H.265, H.264 WDR TWDR Resolution 4MP (2592 x 1520) / 3MP (2304 x 1296) / 1080P (1920 x 1080) / 1080P (1920 x 1080) / 1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720) Day / Night Support Bitrate Control CCBR / VBR White Balance Support Bitrate Control 1024Kbps ~ 4Mbps Defog N/A Multi-Streaming Main Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 1080P@25fps / 960P@25fps / 720P@25fps Noise Reduction 2D/3D DNR Multi-Streaming Main Stream: N/A Corridor Mode Support Motion Detection Support BLC Support Audio Compression Grinta Stream: Si/A Rol 4 areas Privacy Mask 5 areas Anti-flicker Support Intelligent Video Face Detection/Line Crossing / Arce Detection/Lobect Left / VDU/Cot Campreson Support	Mount Type	Board-in	FOV	29.8°~93.5°		
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Resolution4MP (2592 x 1520) / 3MP (2304 x 1296) / 1080P (1920 x 1080) / 1080P (1920 x	Video					
Resolution1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate1024Kbps ~ 4MbpsDefogN/AMain Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 960P@25fps / 720P@25fpsNoise Reduction2D/3D DNRMulti-Stream: 10@25fps / VGA@25fps / CF@25fpsMiror/FlipSupportSub Stream: D1@25fps / VGA@25fps / CF@25fpKiror/FlipSupportMulti-Stream: N/ACorridor ModeSupportMotion DetectionSupportSupportIngital ZoomGSupportAudio CompressionGRol4 areasPrivacy MaskSa controlSupportInverseSa controlInverse<	Compression	H.265+, H.265, H.264	WDR	TWDR		
Bitrate Image: Display stream: AMP @ 25 fps / 3MP	Resolution	1080P (1920 x 1080) /	Day / Night	Support		
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 Gridor Mode Support Support Audio Compression Gridor Mode Support Support Privacy Mask Gridor Mode Support Support Intelligent Video Face Detection / Line Crossing / Area Detection / Line Crossing / Line Crossing / Area Detection / Line Crossing / Line Crossing / Line Crossing / Line Crossing / Line	Bitrate Control	CBR / VBR	White Balance	Support		
Multi-StreamingNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / YGA@25fps / CIF@25fpsMirror/FlipSupportSub Stream: D1@25fps / VGA@25fps / CIF@25fpsCorridor ModeSupportMotion DetectionSupportCorridor ModeSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy MaskSace Detection / Line Crossing / Area Detection / Costing / SupportSupport	Bitrate	1024Kbps ~ 4Mbps	Defog	N/A		
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 G Support BLC Support Audio Compression G7.11u ROI 4 areas Privacy Mask Sace Detection / Line Crossing / Area Detectior / Line Crossing / Area Detection / Line Crossing / Area Detectior / Line Crossing / Area De	Multi-Streaming		Noise Reduction	2D/3D DNR		
Motion DetectionSupportHLCSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy MaskSareasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Line Crossing / Line Cros		Sub Stream: D1@25fps / VGA@25fps / CIF@25fps	Mirror/Flip	Support		
Digital Zoom Support BLC Support Audio Compression G7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support IVA Face Detection / Line Crossing / Area Detection / Costing / Area Detection / Costing / Area Detection / Costing / Cos		Third Stream: N/A	Corridor Mode	Support		
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IVA Intelligent Video Face Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / Video Tamperin	Audio Compression	G7.11u	ROI	4 areas		
Intelligent Video Face Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / Video Tamperin	Privacy Mask	5 areas	Anti-flicker	Support		
	IVA					
	Intelligent Video	Face Detection / Line Crossing / Area Detection /	Target Count / Object Left / L	ost / VQD / Video Tampering		
Face Detection	Face Detection					
Face Templates N/A Face Quality Filtering Support	Face Templates	N/A	Face Quality Filtering	Support		
Face Detected Per Frame30Detection AreaUser-defined		30	Detection Area	User-defined		
Detected Face Size 80x80 ~ 300x300 Pixels Capture Response ≤1s	Detected Face Size	80x80 ~ 300x300 Pixels	Capture Response	≤1s		

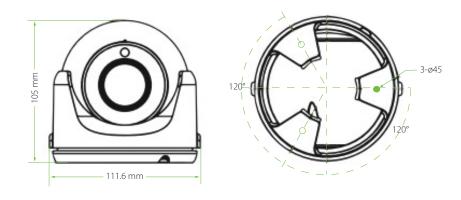
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Network					
Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, NTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS ZKBioAccess IVS		
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows		
Max. Online Users	3	Mobile APP	AntarView Pro		
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	1/0	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	0.40kg		
Dimensions	Φ111.6 * 105 (mm)	Gross Weight	0.64kg		

Order Information

Camera	Model	Description
4MP Camera	EL-854N38I-E3	4MP Motorized Lens Face Detection Eyeball IP Camera

Dimensions (mm)





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