

BS-854N23C-E3 | BioPro Series

4MP Fixed Lens Face Detection Bullet IP Camera













- 1/2.8" Sony STARVIS CMOS sensor
- H.265+ dual-stream encoding
- · High-quality optical lens: 6mm
- 30m IR effective range
- Built-in PoF
- · 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

Model BS-854N23C=3 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. 001 LuxgeF 1.6 (AGC ON) By NR Ratio >552dB Lens Fixed Aperture F1.6 Lens Type Fixed Aperture F1.6 Mount Type Board-in FOV 55° Focal Length 6mm Optical Zoom N/A Video Compression H.265+, H.265, H.264 WDR TWDR Resolution 4MP (2592 x 1520)/ 3MP (2304 x 1296) 20 yellow (2304 x 1296) 20 yellow (1920 x 1080) 40 yellow (1920 x 1080 x 1200) 40 yellow (1920 x 1080 x 1200 x	Camera			
Effective Pixels 2592*1520 IR Distance 30m Min. Illumination Color: 0.01 Lux@F1.6 (AGC ON) R/W-0.001 Lux@F1.6 (AGC ON) S/N Ratio >52dB Lens Lens Type Fixed Aperture F1.6 Mount Type Board-in FOV 55° Focal Length 6mm Optical Zoom N/A Video Compression H.265+, H.265, H.264 WDR TWDR AMP (259x 1520) / 3MP (2304 x 1296) / 1/080P (2302 x 1890) / 1/080P (2302 x 1890) Day / Night Support Resolution CBR / VBR White Balance Support Bitrate Control CBR / VBR Mrie Reduction 2D/3D DNR	Model	BS-854N23C-E3	Flash / DDR	128Mb / 1Gb
Min. Illumination Color: 0.01 Lux@F1.6 (AGC ON) B/W: 0.001 Lux@F1.6 (AGC ON) S/N Ratio >52dB Lens Lens Type Fixed Aperture F1.6 Mount Type Board-in FOV 55° Focal Length 6mm Optical Zoom N/A Video Compression H.265+, H.265, H.264 WDR TWDR AMP (259x 1520) / 3MP (2304 x 1296) / 1080P(259x 1520) / 13MP (2304 x 1296) / 1080P(259x 1500) / 1.3MP (1280 x 960) / 720P (1280 x 720) Day / Night Support Bitrate Control CBR / VBR White Balance Support Bitrate Control CBR / VBR White Balance Support Bitrate (Control CBR / VBR Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream: AMP@a25fps / 720P@25fps / 720P@25	Image Sensor	1/2.8" Sony STARVIS CMOS	IR LED No.	2
Lens B/W: 0.001Lux@F1.6 (AGC ON) SN Ratio >>2288 Lens Type Fixed Aperture F1.6 Mount Type Board-in FOV 55° Focal Length 6mm Optical Zoom N/A Video Compression H.265+, H.265, H.264 WDR TWDR WDR TWDR Mark (1280 x 960) / 1290 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 Main Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 960P@25fps / 720P@25fps Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream: DI@25fps / VGA@25fps / GA@25fps / GA@25f	Effective Pixels	2592*1520	IR Distance	30m
Fixed Aperture Fixed Aperture Fixed Mount Type Board-in FOV 55°	Min. Illumination		S/N Ratio	>52dB
Mount Type Board-in FOV 55° Focal Length 6mm Optical Zoom N/A Video Video WDR TWDR Resolution H.265+, H.265, H.264 WDR TWDR 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 Main Stream: 4MP@25fps / 1080P@25fps / 1080P@25fps / 720P@25fps	Lens			
Focal Length 6mm Optical Zoom N/A Video Video N/A TWDR Resolution 4MP (2592 x 1520) / 3MP (2304 x 1296) / 1380P (1920 x 1080) / 13MP (1280 x 960) / 720P (1280 x 720) Day / Night Support Bitrate Control CBR / VBR White Balance Support Bitrate 1024Kbps ~ 4Mbps Defog N/A Main Stream: 4MP@25fps / 960P@25fps / 720P@25fPs / 720P@25fPs / 720P@25fPs Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream: D1@25fps / VGA@25fps / 720P@25FPs Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support BLC 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 Templates N/A Face Quality Filtering Support F	Lens Type	Fixed	Aperture	F1.6
Video Video H.265+, H.265, H.264 WDR TWDR Resolution 4MP (2592 x 1520) / 3MP (2304 x 1296) / 10800 / 1.3MP (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 Main Stream: 4MP@25fps / 3MP@25fps / 720P@25fps / 720P	Mount Type	Board-in	FOV	55°
Compression H.265+,H.265,H.264 WDR TWDR Resolution 4MP (2592 x 1520)/ 3MP (2304 x 1296) / 1080/ 1.3MP (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 Main Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 720P@25fps / 720P@25	Focal Length	6mm	Optical Zoom	N/A
Resolution 4MP (2592 x 1520) / 3MP (2304 x 1296) / 1.3MP (1280 x 960) / 720P (1280 x 720) Bitrate Control CBR / VBR White Balance Support Defog N/A Main Stream: 4MP@25fps / 3MP@25fps / 720P@25fps / 720P@25fps / 720P@25fps / 720P@25fps / CIF@25fps / VGA@25fps / CIF@25fps Third Stream: N/A Motion Detection Support HLC Support Motion Compression G7:11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support IVA Intelligent Video Face Detection Face Detected Per Frame AMP (2592 x 1520) / 3MP (2304 x 1296) Day / Night Support Support Motion Belance Support N/A Mirror/Flip Support Corridor Mode Support HLC Support BLC Support 4 areas Anti-flicker Support IVA Face Quality Filtering Support Support User-defined	Video			
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 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 Sub Stream: D1@25fps / VGA@25fps / CIF@25fps Mirror/Flip 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 Detection Privacy Mask N/A Face Quality Filtering Support	Compression	H.265+, H.265, H.264	WDR	TWDR
Bitrate 1024Kbps ~ 4Mbps Defog N/A Main Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 1080P@25fps / 960P@25fps / 720P@25fps / 720	Resolution	/ 1080P (1920 x 1080) /	Day / Night	Support
Main Stream: 4MP@25fps / 3MP@25fps / 71080P@25fps / 720P@25FPS / 720P@25FPS / 720P@25FPS / Sub Stream: D1@25fps / VGA@25fps / Mirror/Flip 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 Juser-defined	Bitrate Control	CBR / VBR	White Balance	Support
Multi-Streaming/ 1080P@25fps / 960P@25fps / 720P@25FPSNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / VGA@25fps / CIF@25fpsMirror/FlipSupportThird Stream: N/ACorridor ModeSupportMotion DetectionSupportHLCSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask5 areasAnti-flickerSupportIVAIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / Video TamperingFace DetectionN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined	Bitrate	1024Kbps ~ 4Mbps	Defog	N/A
Support Support		/ 1080P@25fps / 960P@25fps /	Noise Reduction	2D/3D DNR
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 User-defined	Multi-Streaming		Mirror/Flip	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 User-defined		Third Stream: N/A	Corridor Mode	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 User-defined	Motion Detection	Support	HLC	Support
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 User-defined	Digital Zoom	Support	BLC	Support
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 User-defined	Audio Compression	G7.11u	ROI	4 areas
Face Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / Video Tampering	Privacy Mask	5 areas	Anti-flicker	Support
Face Detection Face Templates N/A Face Quality Filtering Support Face Detected Per Frame 30 Detection Area User-defined	IVA			
Face Templates N/A Face Quality Filtering Support Face Detected Per Frame 30 Detection Area User-defined	Intelligent Video Face Detection / Line Crossing / Area Detection / Target Count / Object Left / Lost / VQD / Video Tampering			
Face Detected Per Frame 30 Detection Area User-defined	Face Detection			
Per Frame User-defined User-defined	Face Templates	N/A	Face Quality Filtering	Support
Detected Face Size80x80 ~ 300x300 PixelsCapture Response≤1s		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°C ~ 60°C		
Power Consumption	<3W	Working Humidity	10% ~ 90%		
Ingress Protection	IP67	Net Weight	0.30kg		

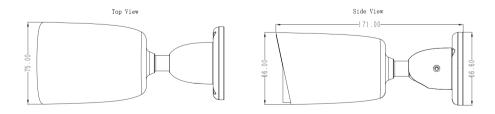
Order Information

Dimensions (L*W*H)

Camera	Model	Description
4MP Camera	BS-854N23C-E3	4MP Fixed Lens Face Detection Bullet IP Camera

Gross Weight

Dimensions (mm)





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170 * 75 * 66 (mm)

0.45kg