ZKTECO



| BioPro Series | 5MP Starlight Fixed Lens Face Recognition Bullet IP Camera

- · 1/2.8" 5MP Sony STARVIS CMOS sensor
- · H.265+ triple stream encoding
- · High quality optical lens 3.6mm
- · IR effective range 30m
- · Built-in PoE
- · Embedded face recognition algorithm
- · 2,000 Face templates capacity storage on camera
- · Support White/Black list alarm deployment
- · Intelligent video analytics function supported
- · Multiple web browsers supported
- · Support remote viewing by Mobile Application/VMS
- · Lightning protection up to 6KV
- · Metal casing compliance with IP67 standard













System Overview

Powered by Sony STARVIS sensor which provides excellent night vision, couple with true WDR and cutting-edge technology, the BioPro series 5MP IP camera is a professional project-oriented solution for crystal clear video monitoring for both day & night.

With embedded face recognition algorithm, the cameras could accurately capture and recognize faces comparing to the face templates in database. It also supports White/Black list event alarm deployment in different scenarios.

The cameras also support multiple industry-leading Intelligent video analytic functions, such as Face Detection, Line Crossing, Intrusion, Object Left/Lost, Counting, etc. for smart event alarms.

Cloud function is built-in for every device which is more convenient and flexible for remote real-time viewing. The BioPro series 5MP IP cameras also supports registration of face templates remotely from the mobile Application AntarView Pro which provides great convenient user experience.

Functions

H.265+

H.265+ technology is an evolutionary optimization of the H.265 and traditional H.264, it includes a series of encoding strategy such as dynamic ROI, smart 2D&3D noise reduction, etc, for delivering high quality video, as well as greatly saving up to 70% bandwidth and storage.

Protection

With precise mechanical and rugged metal casing design, BioPro series IP cameras could stand against water and dust with industrial IP67 rank. Supports ±10% input voltage tolerance, the cameras could work safely in extreme unstable power conditions.

With working temperature range -30°C to +60 °C, the cameras could be used in a variety of harsh outdoor environments.

Technical Specifications

Image Sensor	Camera				
Effective Pixels	Model	BS-855P22C	Flash/DDR	128Mb/4Gb	
Min.	Image Sensor	1/2.8" CMOS	IR LED No.	2	
Lens	Effective Pixels		IR Distance	30m	
B,Wr. O.001Lux@F1.2 (AGC ON)	Min. Illumination	Color: 0.01Lux@F1.2 (AGC ON)			
Emis Type			S/N Ratio	> 52dB	
Mount Type Board-in FOV 90° Focal Length 3.6mm Optical Zoom N/A Video Video N/A Compression H.265-/H.265/H.264 WDR TWDR SMP (2592 × 1944),4MP (2688 × 1520),3MP (2304 × 1296).1 Day/Night Support Bitrate Control CBR/VBR White Balance Support Bitrate Control H.265+Mbps-16Mbps Defog N/A H.265+Mbps-16Mbps Defog N/A H.265+Mbps-16Mbps Defog N/A Multi-Streaming Main stream:5M@30ps/4Mbp@30fps/ NP@30fps/ NP	Lens				
Focal Length 3.6mm	Lens Type	Fixed	Aperture	F1.2	
Video Compression H.265+/H.265/H.264 WDR TWDR Resolution 5MP (2592 x 1944),4MP (2688 x 1520),3MP (2304 x 1296),1 080P (1920 x 1080),1.3MP (1280 x 960),720P (1280 x 720) Day/Night Support Bitrate Control CBR/WBR White Balance Support Bitrate H.265+4Mbps-16Mbps Defog N/A H.265+4Mbps-16Mbps Defog N/A H.265+Mbps-20Mbps Defog N/A Multi-Stream:720P@30fps/MP@30fps/MP@30fps/ Noise Reduction 20/3D DNR Multi-Stream:720P@30fps/De30fps/De30fps/De30fps/ Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support HLC Support Motion Detection Support BLC N/A Audio G7.11u ROI 4 areas Compression G7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support Intelligent Video Face Recognition/Line Crossing/Intrusion/Object Left/Lost/Counting/Video Tampering/Fire Detection/Abnormal Sound/VQA <t< td=""><td>Mount Type</td><td>Board-in</td><td>FOV</td><td>90°</td></t<>	Mount Type	Board-in	FOV	90°	
Compression H.265+/H.265/H.264 WDR TWDR Resolution 5MP (2592 x 1944),4MP (2688 x 1520),3MP (2304 x 1296),1 080P (1920 x 1080),13MP (1280 x 660),720P (1280 x 720) Day/Night Support Bitrate Control CBR/VBR White Balance Support Bitrate H.265+4Mbps-16Mbps Defog N/A H.265+5Mbps-16Mbps H.266+5Mbps-16Mbps Defog N/A Multi-Streaming Main stream:5Mp=30fpx/MP@30fpx/SMP@30fpx/SMP@30fpx Noise Reduction 2D/3D DNR Multi-Streaming Sub stream:720P@30fpx/D1@30fpx/VGA@30fpxClF@30fpx Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support HLC Support Motion Detection Support BLC N/A Audio G7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support Intelligent Video Face Recognition/Line Crossing/Intrusion/ Object Left/Lost/Counting/Video Tampering/Fire Detection/Abnormal Sound/VOA Face Templates 2000 Face Quality Support <t< td=""><td>Focal Length</td><td>3.6mm</td><td>Optical Zoom</td><td>N/A</td></t<>	Focal Length	3.6mm	Optical Zoom	N/A	
SMP (2592 × 1944),4MP (2688 × 1520),3MP (2304 × 1296),1 Day/Night Support	Video				
Résolution 080P (1920 × 1080),13MP (1280 × 960),720P (1280 × 720) Day/Night Support Bitrate Control CBR/VBR White Balance Support Bitrate H.265+4Mbps-16Mbps H.264-5Mbps-16Mbps H.264-5Mbps-20Mbps Defog N/A Multi-Streaming Main stream:5M@30fps/4MP@30fps/3MP@30fps/ 2MP@30fps/	Compression	H.265+/H.265/H.264	WDR	TWDR	
Bitrate Control CBR/VBR H.265+4Mbps-16Mbps H.265+4Mbps-16Mbps H.2645Mbpp-20Mbps H.2645Mbpp-20Mbps Defog N/A Main stream:5M@30fps/4NP@30fps/3MP@30fps/ 2MP@30fps 2MP@30fps Sub stream:720P@30fps/01@30fps/02@30fps/D1@30fps/ VGA@30fps/D1@30fps/D1@30fps/D2@30fps/ VGA@30fps/D1@30fps/D1@30fps/D2@30fps/		5MP (2592 × 1944),4MP (2688 × 1520),3MP (2304 × 1296),1	5 /5: 1 :		
Bitrate H.265+4Mbps-16Mbps H.264-5Mbps-16Mbps H.264-5Mbps-16Mbps H.264-5Mbps-16Mbps H.264-5Mbps-20Mbps H.264-5Mbps-20Mbp	Resolution	080P (1920 × 1080),1.3MP (1280 × 960),720P (1280 × 720)	Day/Night	Support	
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H.264:5Mbps-2DMbps		H.265+:4Mbps-16Mbps			
Multi-Streaming Main stream:5M@30fps/4MP@30fps/3MP@30fps/ 2MP@30fps Sub stream:720P@30fps/D1@30fps/VGA@30fpsCIF@30fps Third Stream:720P@30fps/D1@30fps/ VGA@30fpsCIF@30fps Corridor Mode Support Motion Detection Support HLC Support Digital Zoom Support BLC N/A Audio Compression G7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support IVA Intelligent Video Face Recognition/Line Crossing/Intrusion/ Object Left/Lost/Counting/Video Tampering/Fire Detection/Abnormal Sound/VQA Facial Recognition Face Templates 2000 Face Quality Filtering Support Face Detected Pace Size 80x80 ~ 300x300 Pixels Capture Response ≼1s Network Protocol TCP/IP,UDP,HTTP,DHCP,RTSP,DDNS,NTP,PPPOE,UPPP,SMTP Operation System Management Software(VMS) AntarVise 2.0 Mobile APP AntarView Pro Support Support AntarView Pro Web Browser IE/Firefox/Chrome/Safari P2P Cloud Service Support Support Support Mirror/Flip Support AntarView Pro Support P2P Cloud Service Support Support Support AntarView Pro	Bitrate		Defog	N/A	
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Sub stream:720P@30fps/D1@30fps/VGA@30fpsClF@30fps Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support HLC Support Digital Zoom Support BLC N/A Audio GC 7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support IVA Intelligent Video Face Recognition/Line Crossing/Intrusion/ Object Left/Lost/Counting/Video Tampering/Fire Detection/Abnormal Sound/VQA Face Templates 2000 Face Quality Filtering Support Face Templates 30 Detected Area User-defined Face Detected per Frame 30 Detected Face Size 80x80 ~ 300x300 Pixels Capture Response ≪1s Network Protocol TCP/IP,UDP,HTTP,DHCP,RTSP,DNS,NTP,PPPOE,UPnP,SMTP Management <td< td=""><td></td><td></td><td>Noise Reduction</td><td>2D/3D DNR</td></td<>			Noise Reduction	2D/3D DNR	
Third Stream:720P@30fps/D1@30fps/ VGA@30fpsCIF@30fps Motion Detection Support HLC Support Digital Zoom Support BLC N/A Audio Compression G7.11u ROI 4 areas Privacy Mask 5 areas Anti-flicker Support IVA Intelligent Video Face Recognition/Line Crossing/Intrusion/ Object Left/Lost/Counting/Video Tampering/Fire Detection/Abnormal Sound/VQA Facial Recognition Face Templates 2000 Face Detected per Frame 30 Detection Area User-defined Privacy Kash Network TCP/IP,UDP,HTTP,DHCP,RTSP,DDNS,NTP,PPPoE,UPPP,SMTP Software(VMS) Interoperability ONVIF, SDK, API Operation System Windows Max. Online Users 1E/Firefox/Chrome/Safari P2P Cloud Service Support Support Support Support Support Support Support Software(VMS) AntarView Pro Support Support Support Support Support Support Software(VMS) AntarView Pro Support	Multi-Streaming		Mirror/Flin	Support	
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Interoperability ONVIF, SDK, API Operation System Windows Max. Online Users 3 Mobile APP AntarView Pro Web Browser IE/Firefox/Chrome/Safari P2P Cloud Service Support	Protocol	TCP/IP,UDP,HTTP,DHCP,RTSP,DDNS,NTP,PPP0E,UPnP,SMTP		AntarVis 2.0	
Web Browser IE/Firefox/Chrome/Safari P2P Cloud Service Support	Interoperability	ONVIF, SDK, API		Windows	
	Max. Online Users	3	Mobile APP	AntarView Pro	
Note:Video streaming is not available for Firefox/Chrome/Safari.	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	1/1	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), DC12V±10%	Working Temperature	-30°C ~ +60 °C		
Power Consumption	< 3W	Working Humidity	10% ~ 90%		
Ingress Protection	IP 67	Net Weight	0.30 kg		
Dimensions	170 (L)*75 (W)*65(H)mm	Gross Weight	0.45 kg		

Order Information

Туре	Model	Description
5MP Camera	BS-855P22C	5MP Fixed Lens Face Recognition Bullet IP Camera

Dimensions

