

DBL222-01 | BioX Series

2MP Advanced Algorithm Face Detection Bullet IP camera



















- 1/2.7" 1080p CMOS Sensor
- H.265 triple stream encoding
- · 3.6mm High-quality optical lens
- 50m IR effective range
- · Super 120dB WDR
- Intelligent video analytics available such as Face detection, Intrusion, Counting etc
- · Multiple web browsers supported
- Lightning protection up to 4kV
- IP67 ingress rating
- · Built-in PoE

System Overview

The BioX Series Advanced Algorithm IP Cameras offer computer vision technology with edge-performing complex real-time intelligent functions.

It's capable to provide multiple industry-leading Intelligent video analytic functions, such as Face Detection, Line Crossing, Intrusion, Counting, Rapid Movement, Queue Detection etc.

False alarm filter function could effectively filter out the leaves, shadow motions and only focus on useful condition such human, vehicle target movement.

Meanwhile, benefit from the powerful 1Tops chipset and and ISP optimization, it performs excellent in weak/strong light comparison and foggy scenario, to deliver the promising crystal-clear images.

Functions

H.265

Extra H.265 encording could save 50% bandwidth and storage capacity at least.

On-board Edge Storage Function

Support up to 256GB huge data storage on board when standalone working.

Protection

With its precise mechanical and durable materials, BioX 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 $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

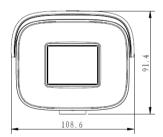
Camera					
Model	DBL222-01	Flash / DDR	2Gb / 2Gb		
Image Sensor	1/2.7" CMOS Sensor	IR LED No.	2		
Effective Pixels	1920*1080	IR Distance	50m		
Min. Illumination	Color: 0.005Lux (F1.6, AGC ON) B/W: 0.0005Lux (F1.6, AGC ON)	S/N Ratio	>52dB		
Lens					
Lens Type	Fixed	Aperture	F1.6		
Mount Type	Board-in	FOV	84°		
Focal Length	3.6mm	Optical Zoom	N/A		
Video					
Compression	H.265 / H.264	WDR	TWDR (120dB)		
Resolution	1920 * 1080 / 1280 * 720 / 720 * 576 (PAL) / 720 * 480 (NTSC) / 352 * 288 (PAL) / 352 * 240 (NTSC)	Day / Night	Support		
Bitrate Control	CBR / VBR	White Balance	Support		
Bitrate	1080p: 512Kbps - 8Mbps 720p: 384Kbps - 4Mbps D1: 256Kbps - 4Mbps CIF: 32Kbps - 1Mbps	Defog	Support		
Multi-Streaming	Main Stream: 1080p@25fps	Noise Reduction	2D/3D DNR		
	Sub Stream: 720p@25fps	Mirror/Flip	Support		
	Third Stream: D1@25fps	Corridor Mode	Support		
Motion Detection	Support	HLC	Support		
Digital Zoom	Support	BLC	Support		
Audio Compression	N/A	ROI	4 areas		
Privacy Mask	12 areas	Anti-flicker	Support		
IVA					
Intelligent Video	Facial Detection / Line Crossing / Intrusion / Counting / Rapid Movement / Video Shelter / Scene change / VQD / Density Detection / Queue Detection				
Facial Recognition					
Face Templates	N/A	Face Quality Filtering	Support		
Face Detected per Frame	30	Detection Area	User-defined		
Detected Face Size	50 x 50 Pixels	Capture Response	≤1s		

Network					
Protocol	TTCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, ICMP, ICMPv6, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP(V1/V2/V3), 802.1x, QoS, DDNS, SMTP, PPPoE	Management Software (VMS)	ZKBioSecurity IVS BioAccess IVS		
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows		
Max. Online Users	10	Web Browser	IE / Firefox / Chrome		
Interface					
Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	N/A		
Audio I/O	N/A	Micro-SD Slot	Max 256GB		
Alarm I/O	N/A	ANR	Support		
RS485	N/A	USB	N/A		
General					
Power Supply	PoE (IEEE802.3af), DC 12V±10%	Working Temperature	-30°C ~ 55°C		
Power Consumption	<5W	Working Humidity	5% ~ 95%		
Ingress Protection	IP67	Net Weight	0.60kg		
Dimensions (L*W*H)	210.2 * 108.6 * 91.4 (mm)	Gross Weight	0.86kg		

Order Information

Camera	Model	Description
2MP Camera	DBL222-01	2MP Advanced Algorithm Face Detection Bullet IP camera

Dimensions (mm)







V1. 0 2020. 07. 08