

DDS522-01 BioX Series

5MP Advanced Algorithm Face Detection Turret IP camera



















- 1/2.7" 5MP CMOS Sensor
- H.265 triple stream encoding
- · 3.6mm High-quality optical lens
- 30m 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 2kV
- IP67 ingress rating
- Built-in PoF

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

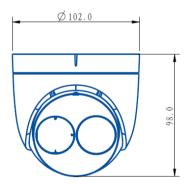
Camera				
Model	DDS522-01	Flash / DDR	2Gb / 4Gb	
Image Sensor	1/2.7" CMOS Sensor	IR LED No.	1	
Effective Pixels	2560*1920	IR Distance	30m	
Min. Illumination	Color: 0.005Lux (F1.6, AGC ON) B/W: 0.0005Lux (F1.6, AGC ON)	S/N Ratio	>52dB	
Lens				
Lens Type	Fixed	Aperture	F1.6	
Mount Type	Board-in	FOV	79.2°	
Focal Length	3.6mm	Optical Zoom	N/A	
Video				
Compression	H.265 / H.264	WDR	TWDR (120dB)	
Resolution	2560 * 1920 / 2560 * 1440 / 2048 * 1536 / 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 - 5MP : 512Kbps -16Mbps 720p: 384Kbps - 8Mbps D1: 256Kbps - 4Mbps CIF: 32Kbps - 1Mbps	Defog	Support	
	Main Stream: 5MP@20fps	Noise Reduction	2D/3D DNR	
Multi-Streaming	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	G.711 a/u	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	Built-in Micphone	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	0.38kg	
Dimensions	Ф102 * 98 (mm)	Gross Weight	0.5kg	

Order Information

Camera	Model	Description
5MP Camera	DDS522-01	5MP Advanced Algorithm Face Detection Turret IP camera

Dimensions (mm)





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