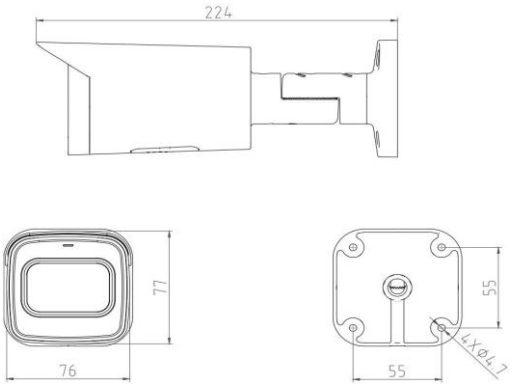
CB-BD4023
Lite AI-II Series | 4MP Smart Dual Light

4MP Smart Dual Light Active Deterrence Network Bullet Camera





- 4MP 1/2.7" CMOS Image Sensor, Excellent Low Luminance Performance & High Definition of images.
- Outputs Max. 4MP: 2560(H)*1440(V) / 2688(H)*1520(V)@25/30fps, H.265 Code, High Compression Rate, Ultra Low Bit Rate.
- 2.5-12mm AF Automatic Focusing and Motorized Zoom Lens, IR Light: Max. 60M, Warm Light: Max. 50M.
- ROI, SMART H.264 +/H.265+, AI H.264/H.265, Flexible Coding, Applicable to various bandwidth and storage environments.
- Rotation Mode, DWDR, 3DNR, HLC, BLC, Digital Watermarking, Applicable to various monitoring scenes.
- Perimeter Protection: Intrusion, Tripwire (Support the classification & Detection of Human, Vehicle & Non-Motor).
- Abnormality Detection: Smart Motion Detection

Model No.	CB-BD4023		
Camera			
Image Sensor	1/2.7” Progressive CMOS Image Sensor		
Max. Resolution	4MP, 2560(H)*1440(V) / 2688(H)*1520(V)		
Minimum Illumination	0.006Lux(Color), 0.0006Lux (B/W), 0Lux (IR on)		
Shutter Speed	1/3 s to 1/100, 000 s		
Day / Night	Auto, Dual IR-Cut Filter, D/N Sensitive Switch / Mixed Mode Switch		
Illumination Distance Range	IR Light: Max. 60M, Warm Light: Max. 50M		
Illuminator Control	Auto / Manual		
Smart IR	Supported		
S/N Ratio	≥ 56dB		
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°		
Lens			
Lens	2.5-12mm AF Automatic Focusing and Motorized Zoom Lens		
Max. Aperture Ratio	F No. 1.2		
Min. Object Distance	2M		
Lens Mount	M12		
Max. Aperture	F1.2		
Iris Type	Auto Iris		
Focal Length & FOV			
Lens	2.8mm	3.6mm	6.0mm

Angle of View (H)	111°		90°		54°
Angle of View (V)	59°		48°		29°
Angle of View (O)	134°		108°		63°
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8mm	44.1	17.7	8.8	4.4
	3.6mm	58.9	23.6	11.8	5.9
	6.0mm	82.8	33.1	16.6	8.3
Intelligence					
Face Detection	N/A				
Smart Motion Detection	Supported				
Perimeter Protection	Intrusion, Tripwire (support the classification of Human and Vehicle & Non-Motor)				
Object Detection	N/A				
People Counting	N/A				
Heat Map	N/A				
AI Search	Work together with NVR				
Video					
Max Resolution	4MP: 2560(H)*1440(V) / 2688(H)*1520(V)@25/30fps				
Stream Capability	3 Streams				
Video Frame Rate	Main Stream: 4MP@1fps–25/30fps, Sub Stream: D1@1fps–25/30fps, Third Stream: 720P@1fps–25/30fps				
Video Compression	H.265, H.264H, H.264M, H.264B				
Smart Compression	H.265+, H.264H+, H.264M+, H.264B+				
Bit Rate Control	CBR / VBR				
Video Bit Rate	H.265: 3 Kbps~20480 Kbps / H.264: 3 Kbps~20480 Kbps				
U-code	Supported				
Scalable Video Coding (SVC)	H.265 and H.264 Encoding (H.265+ (Ultra H.265)/H.265/H.264+/H.264/MJPEG)				
OSD	Minimum 4 OSDs				
Day/Night	Color / B/W				
BLC	BLC Supported				
HLC	HLC Supported				
FLC	FLC Supported				
WDR	Digital WDR ≥ 120dB				
White Balance	Auto / Lock White Balance / Fluorescent Lamp / Filament Lamp / Fluorescent Lamp / HM				
Gain Control	Auto / Manual				
Noise Reduction	3D NR (Auto / Manual)				
Motion Detection	OFF/ON (4 Areas, Rectangular)				
Image Rotation	Horizontal Viewing Angle: 95°-35°				
Memory	128MB RAM & Min. 256MB Flash				
Mirror	Supported				
Privacy Mask	Up to 4 Areas (programmable polygon privacy masks)				
Audio					

Audio Encoding	G.711a, G.711Mu, G.726, G.726ASF
Audio Bite Rate	Minimum 64 Kbps or Higher
Reduce Echo	Supported
Noise Filtering	Supported
Built-in MIC	Supported
Built-in Speaker	Optional
Two-way Audio	Optional
Other Audio Function	Optional
Alarm	
Arming/Disarming	Optional
Sound Alarm	Optional
Light Alarm	Supported
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error
Linkage	FTP / E-mail, Notify Surveillance Center, Trigger Recording, Trigger Capture
Snapshot	Support JPEG Format
Security Features	Password
OSD	Channel Name, Date & Time, Image Overlay
Storage	Support FTP Storage
Network	
LAN Ports	RJ45*1, 10M /100M Base-T
Network Protocol	DHCP, DNS, DDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, ONVIF, P2P, PPPOE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UDP, UPnP, 802.1X
Protocol	ONVIF / CGI / P2P
Simultaneous Live View	Up to 16 channels
API	Open Network Video Interface Profile S, G, T, SDK
User/Host	20 User (Total bandwidth: 80M), 2 user levels: administrator and user
Security	Password Protection, Complicated Password, HTTPS Encryption, 802. 1X Authentication (EAP-MD5), Watermark, Basic and Digest, Authentication for HTTP/HTTPS, WSSE and Digest Authentication for Open Network Video Interface, RTP/RTSP over HTTPS, Security Audit log, TLS 1.2, TLS 1.3, Host Authentication (MAC address)
Video Management Software	IE / Web / PC Client Software / App
Mobile Client	iOS, Android
Web Browser	Plug-in required live view: IE 10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+
Smooth Streaming	Yes
Interface	
Audio Input / Output	Optional
Alarm Input / Output	Optional
Storage	Support Max. 512G Micro SD / SDHC / SDXC(FAT32)
General Parameter	
Case	Metal for Indoor & Outdoor
Protection Level	IP67, IK10

Temp. / Humidity	–30°C to +60°C (–22°F to +140°F)/Less than 95% RH
Storage Conditions	–40°C to +60°C (–40°F to +140°F)
Power Consumption	Basic: 2.5W, Max. 5.5W
Power Supply	DC12V 2A / POE (IEEE802.3af)
Lightning Protection	Power, Network, POE all Lightning Protection, Rating Surge Voltage: 6KV(10/700μs)
Dimension / Weight	224(L)*76(W)*77(H)mm / 0.8KG
Approvals	
Certification	CE / FCC / RoHS
ISO	ISO9001