PRODUCT DATASHEET

WB-B023
2 MP IR FIXED BULLET NETWORK CAMERA

HD | 3D | WDR | H.265

KEY FEATURES

- High quality imaging with 2 MP resolution
- 2.8mm fixed lens
- Efficient H.265+ compression technology
- Focusing on human and vehicle targets classification based on deep learning
- 120dB WDR
- Powered by Darkfighter
- BLC/3D DNR/ROI/HLC
- IP67
- IR range: up to 40 m
- Face Capture
- Color: 0.003 Lux @ (F1.4, AGC ON)

ACCESSORIES

WBA-1280ZJ-XS
Junction Box

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CAMERA	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Day & Night	ICR Cut
Shutter Speed	1/3 s to 1/100,000 s
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Slow Shutter	Yes
P/N	WB-B023
Wide Dynamic Range	120 dB
LENS	
Focal Length & FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127°
Aperture	F1.6
Lens Mount	M12
Iris Type	Fixed
DORI	
DORI	2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m
ILLUMINATOR	
IR Range	Up to 40 m
IR Wavelength	850 nm
VIDEO	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25 fps (1920 × 1080, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25 fps (640 × 480, 640 × 360) 60Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	0 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	YES
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

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NETWORK	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
User/Host	Up to 32 users 3 Levels: Administrator, Operator and User
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	Guarding Vision APP - Guarding Vision VMS
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+
IMAGE	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
INTERFACE	
Built-in Microphone	NO
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
EVENT	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection
DEEP LEARNING FUNCTION	
Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

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GENERAL	
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: (802.3af, 36 V to 57 V), Class 3
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.13 A, max. 7 W
Material	Aluminum alloy body IR cover: plastic
Dimensions	Ø70 × 161.7 mm (2.8" × 6.4")
Weight	Approx. 490 g (1.1 lb.)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger record, trigger capture, send email, audible warning
Software Reset	Yes
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
APPROVAL	
Protection	IP67 (IEC 60529-2013)
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

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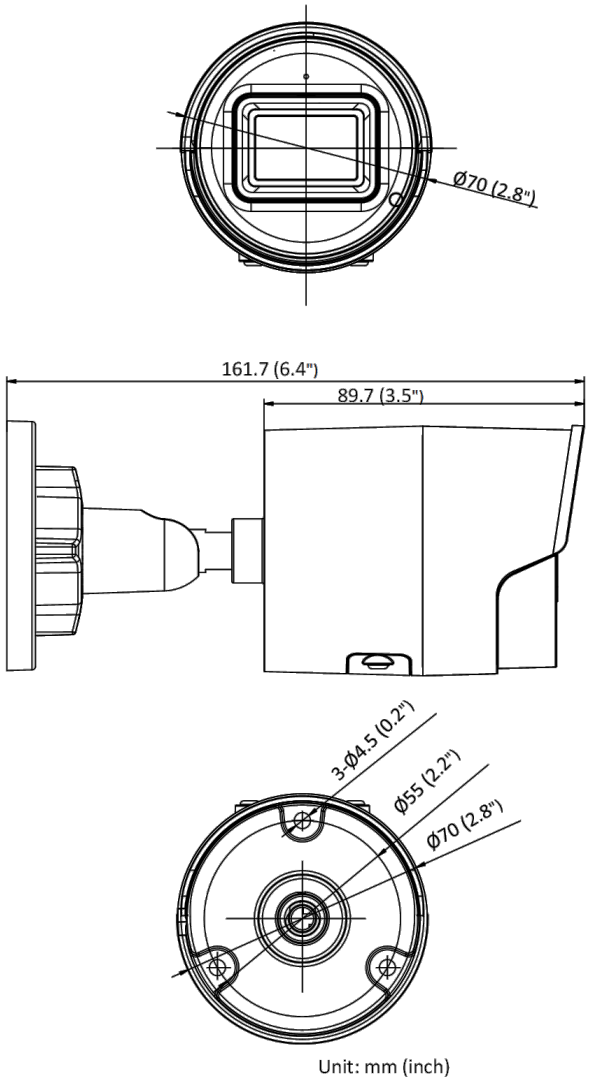
DIMENSION



Unit: mm (inch)

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