

HBD8GR1-I



8MP IR Bullet Camera

OPERATIONAL	
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	1/1.8" CMOS
Number of Pixels (H x V)	8MP (3840 x 2160)
Minimum Illumination (Color/BW)	0.006Lux @ F1.4 (AGC on); BW: 0lux (IR on)
S/N Ratio	> 50 dB
Electronic Shutter Speed	1/3 ~ 1/100,000
IR Distance	60M
IR Light Control	Smart IR (Auto/Manual)/OFF
Removable IR-Cut Filter	Yes
Day/Night	Auto/Day/Night/Timing
Backlight Compensation	WDR, HLC, BLC
White Balance	Auto/Indoor/Outdoor/Manual
Gain Control	0 ~ 100 %
Wide Dynamic Range	120 dB
Noise Reduction	3D DNR
Lens	2.8 ~ 12 mm, DC-Iris
Digital Image Stabilization	Yes
Angle of View (H x V)	H:108° ~ 45.5° V: 58° ~ 25.5°
Privacy Masking	Off/On (4 Areas)
Defog	Yes
Local Storage	Micro SD/SDHC/SDXC card slot (256 GB)
Alarm Inputs/Outputs	1 in/1 out
Reset	Supported
VIDEO	
Video Compression	H.265/H.264/MJPEG
Resolution	8MP (3840x2160), 6MP (3072x2048), 5MP (2592x1944), 4MP (2592x1520), 2K (2560x1440), 3MP (2304x1296), 1080P (1920x1080), 720P (1280x720), D1 (720x576), VGA (640x480), 480x 240, CIF (352x288)
Number of Video Streams	3

*For detailed information about frame rate and bit rate, please refer to the User Guide.

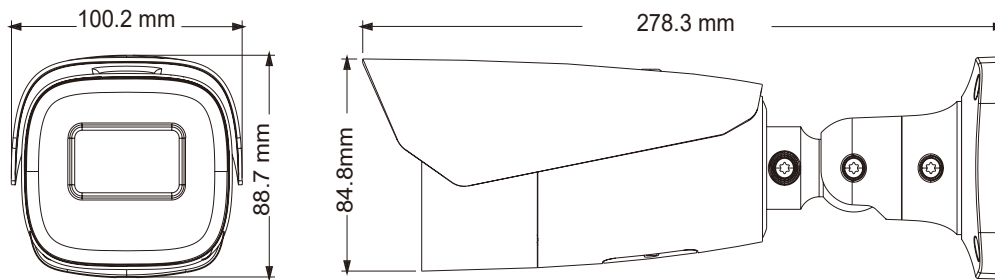
** Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

Frame Rate*	Main Stream: 8MP/6MP/5MP/4MP/2K/3MP/1080P 25/30fps Second Stream: 1080P/720P/D1/VGA/CIF 25/30fps Third Stream: D1/VGA/CIF/480x240 25/30fps
Bit Rate*	64K ~ 12Mbps
AUDIO	
Audio Compression	G.711a/ G.711Mu
Audio Stream	Full duplex
Audio Interface	Line in/out
NETWORK	
Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Microsoft Edge, Chrome
Supported OS	Microsoft Windows 10, Windows 11
Protocols**	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, FTP, DNS, DDNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF Profile G/S/T/M
Maximum Users Access	10 Users
Security	Firmware encrypted, User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, AES128/256, SSH/Telnet closed
EVENTS/ANALYTICS	
Video Analytics	Standard: Motion detection, Scene change, Video Blurr AI Based: Smart motion, Intrusion, Line crossing detection, Unattended object detection, Missing object detection, Face Detection
Event Type	Analytics alarm, Security alarm, Disk alarm, Recording alarm
Event Linkage	Email, Push notification, SD card recording, Digital output
Event	Event notification using digital output SMTP, MicroSD card
ELECTRICAL	
Power Supply	DC12V, PoE (IEEE 802.3af)(Class 0)
Power Consumption (Max)	12W
MECHANICAL	
Dimensions	278.3 x 100.2 x 88.7 mm (10.96" x 3.94" x 3.49")
Product Weight	1.04 kg (2.29 lb)
Body Material	Aluminium alloy
Color	White (RAL9003)
ENVIRONMENTAL	
Operating Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
Relative Humidity	Less than 95 %, Non-condensing
Ingress Protection	IP66, IP67
Impact Resistance	IK10

HBD8GR1-I 8MP IR BULLET CAMERA

REGULATORY	
Emissions	FCC PART 15, CE (EN 55032)
Immunity	CE (EN 55035)
Safety	UL 62368-1
RoHS	IEC 62321-3-1, IEC 62321-5, IEC 62321-4, IEC 62321-6, IEC 62321-7-1, IEC 62321-7-2, IEC 62321-8
Country of Origin	India

DIMENSIONS



SYSTEM COMPATIBILITY

SYSTEM COMPATIBILITY	
Pro-Watch NVR	Up to 256 IP channels RAID5/6 enterprise NVR
MAXPRO NVR PE	Up to 128 IP channels RAID5/6 enterprise NVR
MAXPRO NVR SE	Up to 64 IP channels system NVR
MAXPRO NVR XE	Up to 16 IP channels system NVR
MAXPRO NVR Software	Up to 128 IP channels recording software
MAXPRO CE	Up to 256 IP channels RAID5/6

ORDERING

ORDERING	
HBD8GR1-I	8 MP Remote Outdoor Bullet Camera, WDR 120 dB, 2.8 ~ 12 mm, PoE 802.3af, DC12V, Audio & Alarm in/out, IK10



For more information

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