IPC-B120HA-D/W(W)
2 MP EXIR Fixed Bullet Wi-Fi Network Camera





- High quality imaging with 2 MP resolution
- Realizing Wi-Fi connection and easy installation
- Provides real-time security via built-in two-way audio
- EXIR 2.0, advanced infrared technology with long IR distance
- Support on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP66)
- Hik-Connect cloud service and app for remote management and views of devices

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/25 s to 1/10,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 91°, vertical FOV 49°, diagonal FOV 108° 4 mm, horizontal FOV 74°, vertical FOV 40°, diagonal FOV 87°
Aperture	F1.6
Lens Mount	M12
Iris Type	Fixed
Depth of Field	2.8 mm: 1 m to ∞ 4 mm: 1.5 m to ∞
DORI	
DORI	2.8 mm, D: 42 m, O: 17 m, R: 9 m, I: 4 m 4 mm, D: 52 m, O: 21 m, R: 11 m, I: 5 m
Illuminator	
Supplement Light Type	IR
IR Wavelength	850 nm
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (768 × 432, 512 × 288) 60 Hz: 30 fps (768 × 432, 512 × 288)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264
Video Bit Rate	256 Kbps to 1 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Audio	
Audio Compression	G.711, AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw), 16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz, 16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS

Simultaneous Live View	Up to 4 channels
API	ONVIF, SDK
User/Host	Only one user: administrator
Security	Password protection, HTTPS encryption, security audit log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE for Open Network Video Interface
Client	iVMS-4200, HiLookVision, Hik-Partner-Pro
Wi-Fi	
Transfer Rate	11b: up to 54 Mbps, 11g: up to 54 Mbps, 11n: up to 150 Mbps
Wi-Fi Protocol	802.11n: OFDM, 802.11b: DSSS, 802.11g: OFDM
Frequency Range	2.412 GHz to 2.472 GHz
Channel Bandwidth	20 MHz
Modulation	802.11b: CCK, QPSK, BPSK, , 802.11g: OFDM, , 802.11n: OFDM
Wireless Range	Up to 120 m (The performance varies based on actual environment)
Encryption Mode	WPA-PSK/WPA2-PSK
Antenna	2 Antennas
Image	
Image Settings	Saturation, brightness, contrast, and sharpness adjustable by client software
Day/Night Switch	Auto, Schedule, Day, Night
Wide Dynamic Range (WDR)	Digital WDR
Privacy Mask	4 programmable polygon privacy masks
Interface	
Built-in Microphone	Yes
Built-in Speaker	Yes
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection (support alarm triggering by specified target type (human and vehicle)), exception
Linkage	Upload to memory card, notify surveillance center, trigger capture, audible warning, auto-tracking lite
General	
Power	12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, A switching adapter is included in the package.
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English
General Function	heartbeat, mirror
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Material	Front cover: metal, back cover: plastic
Dimension	175.6 mm × 73 mm × 89.1 mm (6.9" × 2.9" × 3.5")
Package Dimension	260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9")
Weight	Approx. 345 g (0.8 lb.)
With Package Weight	Approx. 635 g (1.4 lb.)

Approval	
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014
RF	CE-RED (EN 301489-1 V2.1.1(BT or 2.4G)
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017, CB: IEC 62368-1: 2014+A11
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU
Protection	IP66: IEC 60529-2013

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

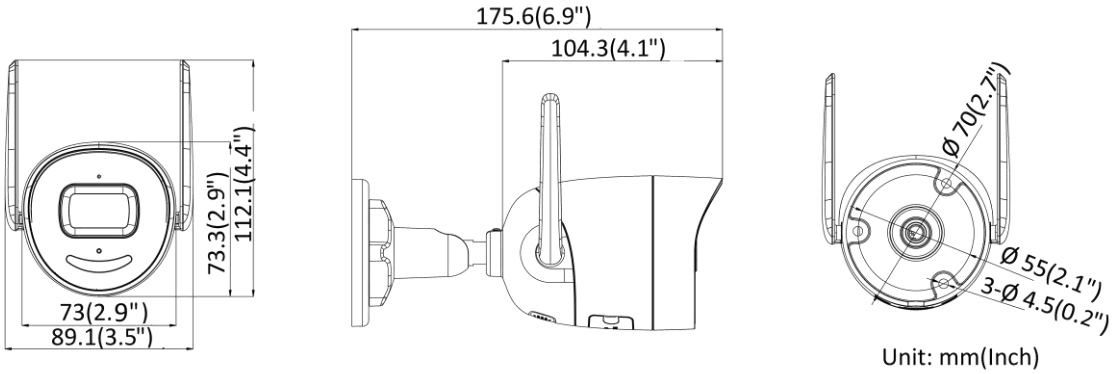
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

IPC-B120HA-D/W(4mm)(W)

IPC-B120HA-D/W(2.8mm)(W)

▪ Dimension



Unit: mm(Inch)

▪ Accessory

▪ Optional

DS-1280ZJ-XS Junction box


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