

HIKVISION®

HiWatch Series

HWI-B120H-D/W(D) 2 MP IR Fixed Bullet Wi-Fi Network Camera



- High quality imaging with 2 MP resolution
- Efficient H.265 compression technology
- Clear imaging even with strong back lighting due to DWDR technology
- Up to 256 GB SD card slot for storage
- Wi-Fi connection and easy installation
- Water and dust resistant (IP66)



▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.028Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Angle Adjustment	Pan: 0° to 360°, tilt: -90° to 90°, rotate: 0° to 90°
DNR	3D DNR
WDR	DWDR
Day & Night	IR Cut Filter
Auto-Iris	No
Lens	
Aperture	F2.0
Focus	Fixed
FOV	2.8 mm, horizontal FOV: 114.5°, vertical FOV: 62°, diagonal FOV: 135.5° 4 mm, horizontal FOV: 86°, vertical FOV: 46.5°, diagonal FOV: 102.5°
Lens Mount	M12
Focal length	2.8/4 mm
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Image	
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 × 360) 60Hz: 30 fps (640 × 360)
Image Enhancement	BLC, HLC, 3D DNR
Day/Night Switch	Day, Night, Auto, Scheduled
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser

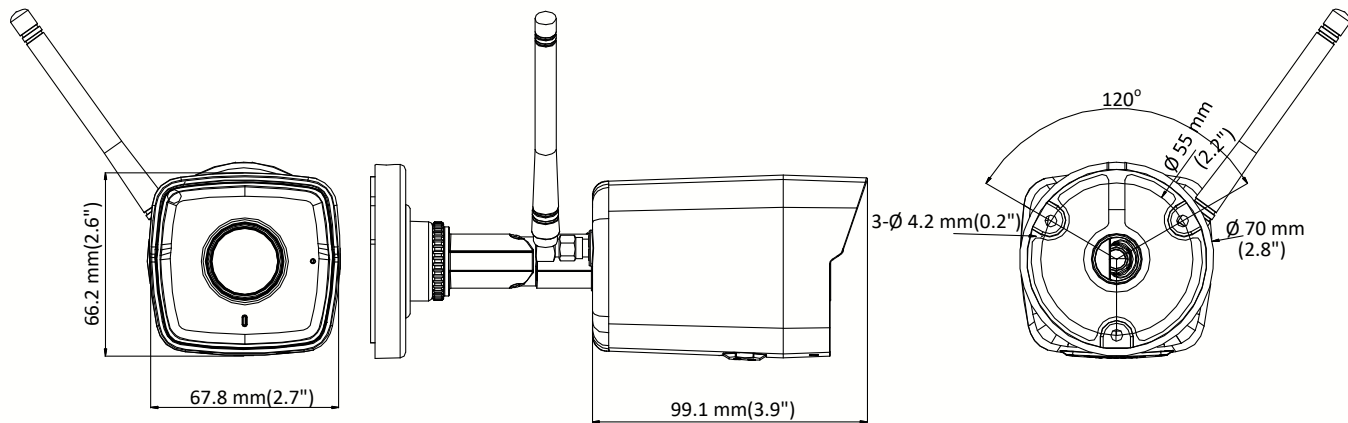
Network	
Network Storage	Support micro SD/SDHC/SDXC card (max. 256 GB), local storage and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Alarm Trigger	Motion detection, illegal login
Protocols	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour
API	ISAPI, SDK
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	Wired network: Hik-Connect, iVMS-4200 Wi-Fi: iVMS-4200
Web Browser	Plug-in required live view: IE8, IE9, IE10, IE11 Plug-in free live view or local service: Chrome 57.0+, Firefox 52.0+ Plug-in free live view: Safari 11+
General Function	Anti-flicker, heartbeat, mirror, password protection, reset password via e-mail
Firmware Version	V5.5.101
Interface	
Reset Button	Yes
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 Built-in mic, mono sound
General	
Operating Conditions	-30 °C to +60 °C (-22°F to +140 °F), Humidity 95% or less (non-condensing)
Power supply	12 VDC ± 25%, Ø5.5 mm coaxial power plug
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W
Material	Front cover: metal, back cover: plastic
Dimensions	Camera: 99 mm × 68 mm × 66 mm (3.9" × 2.7" × 2.6") With package: 172 mm × 110 mm × 99 mm (6.8" × 4.3" × 3.9")
Weight	Camera: 272 g (0.6 lb.) With package: 517 g (1.1 lb.)
Approval	
Protection	Ingress protection: IP66 (IEC 60529-2013)

Compression Standard	
Video Compression	Main stream: H.265, H.264 Sub-stream: H.265, H.264
H.264+	Main stream supports
H.265+	No
H.264 Type	Baseline Profile/Main Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32 to 160Kbps(MP2L2)
IR	
IR Range	Up to 30 m
Wavelength	850 nm
Wi-Fi (-W)	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.4 GHz to 2.4835 GHz
Transfer Rates	11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Channel Bandwidth	20 MHz/40 MHz
Wireless Range	Up to 80 m (The performance varies based on actual environment.)
Protocols	802.11b: CCK, DQPSK, DBPSK 802.11g/n: 64-QAM, 16-QAM, QPSK, BPSK

▪ **Available Model**

HWI-B120H-D/W(D) (2.8 mm, 4mm)

Dimension



Accessory



DS-1280ZJ-XS
Junction Box

Distributed by



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HiWatch Series

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