

HIKVISION®

HiWatch Series

HWI-B120-D/W 2 MP IR Fixed Bullet Wi-Fi Network Camera



Key Features

- 1/2.8" progressive scan CMOS
- 1920 × 1080@30fps
- 2.8 mm fixed lens
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON)
- 3D DNR
- Up to 30 m IR range
- Built-in Wi-Fi
- Mobile monitoring via Hik-Connect
- IP66



www.hikvision.com

Specification

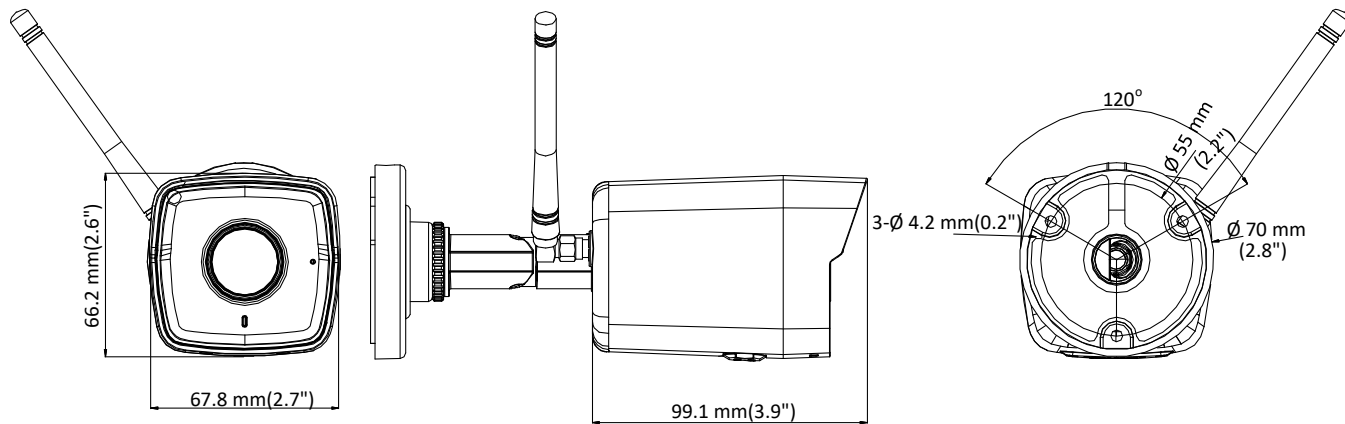
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	DWDR
3-Axis Adjustment	Pan: 0° to 360°, tilt: -90° to 90°, rotate: 0° to 90°
Lens	
Focal length	2.8 mm
Aperture	F2.0
Focus	Fixed
FOV	2.8 mm, horizontal FOV: 114.5°, vertical FOV: 62°, diagonal FOV: 135.5°
Lens Mount	M12
IR	
IR Range	Up to 30 m
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.264 Sub-stream: H.264, MJPEG
H.264 Type	Baseline Profile/Main Profile
H.264+	Main stream supports
H.265 Type	No
H.265+	No
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)
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Image Enhancement	BLC, 3D DNR
Day/Night Switch	Day, night, auto, scheduled
Network	
Alarm Trigger	Motion detection, video tampering, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, IPv6, UDP, QoS, Bonjour
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark

Firmware Version	V5.5.71
API	ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-connect
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 Built-in mic, mono sound
Wi-Fi	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20 MHz/40 MHz
Protocols	802.11b: CCK, DQPSK, DBPSK 802.11g/n: 64-QAM, 16-QAM, QPSK, BPSK
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Transfer Rates	11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
General	
Operating Conditions	-30 °C to +60 °C (-22°F to +140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W
Ingress Protection	IP66
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.)

Available Model

HWI-B120-D/W (2.8mm)

Dimension



Accessory



DS-1280ZJ-XS
Junction Box

Distributed by

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HiWatch Series

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