

HIKVISION®

HiWatch Series

HWI-D220H-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 128 GB SD card slot for storage
- Built-in microphone for real-time audio security
- Wi-Fi connection and easy installation
- Water and dust resistant (IP66)



www.hikvision.com

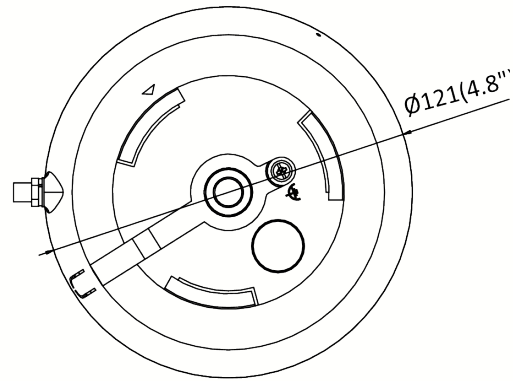
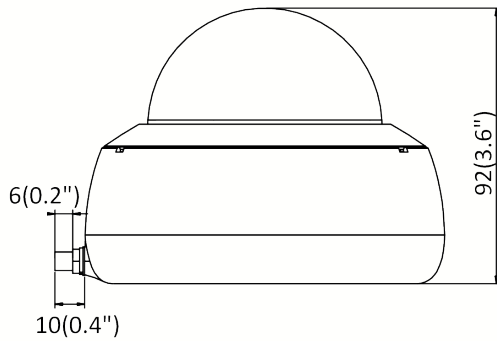
▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @(F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
Wide Dynamic Range	DWDR
DNR	3D DNR
Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°
Lens	
Auto-Iris	No
Aperture	F2.0
Focus	No
FOV	2.8 mm, horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135° 4 mm, horizontal field of view: 86°, vertical FOV: 46°, diagonal FOV: 102°
Lens Mount	M12
Focal Length	2.8/4 mm
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps

Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Smart Feature-Set	
Region of Interest	Support 1 fixed region for main stream
Image	
Image Enhancement	BLC/3D DNR
Image Setting	Saturation, brightness, contrast and sharpness are adjustable via client software and web browser
Day/Night Switch	Auto/Scheduled/Day/Night
Wi-Fi	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency	2.412 GHz - 2.472 GHz
Channel Bandwidth	20/40MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rate	11b/g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	Up to 80 m (The performance varies based on actual environment)
Network	
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
Network Storage	Support built-in microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
API	ONVIF (PROFILE S, PROFILE G), ISAPI
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, iVMS-5200, iVMS-4500 Wi-Fi: iVMS-4200, iVMS-5200, iVMS-4500
Web Browser	IE 8+, 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
Alarm	No
Video Output	No
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
General	
Firmware Version	V5.5.98
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Reset	Yes
Startup and 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 plug power
Power Consumption and Current	12 VDC, 0.4 A, max: 5 W, <20 dBm
Material	Plastic
Dimensions	Camera: Ø121.4 mm × 92.2 mm (Ø4.8" × 3.6") With package: 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Camera: 465 g (1 lb.) With package: 713 g (1.6 lb.)
Approval	
Protection	Ingress protection: IP66 (IEC 60529-2013)
Compression Standard	
H.264+	Main stream supports
H.265+	Main stream supports

▪ **Dimension**



Unit: mm(inch)

▪ **Available Model**

HWI-D220H-D/W(D) (2.8 mm, 4 mm)

Distributed by



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HiWatch Series

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