

# HIKVISION®

## HiWatch Series

### HWI-D120(-M) (B) 2 MP IR Fixed Dome Network Camera



#### Key Features

- 1/2.8" progressive scan CMOS
- 1920 × 1080@30fps
- 2.8, 4, 6 mm fixed lens
- H.264+, H.264
- Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)
- BLC/3D DNR
- IP67



[www.hikvision.com](http://www.hikvision.com)

## Specification

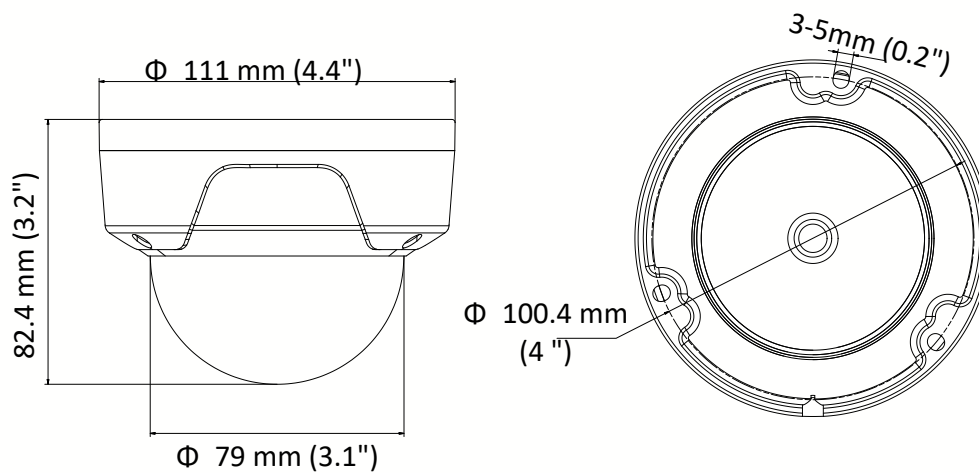
<b>Camera</b>	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux (F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON);
Shutter Speed	1/3 s to 1/100, 000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	DWDR
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°
<b>Lens</b>	
Focal Length	2.8, 4, 6 mm
Aperture	F2.0
Focus	Fixed
FOV	2.8 mm @F2.0, horizontal FOV 114°, vertical FOV 62°, diagonal FOV: 135° 4 mm @F2.0, horizontal FOV 87°, vertical FOV 48°, diagonal FOV: 102° 6 mm @F2.0, horizontal FOV 58°, vertical FOV 32°, diagonal FOV: 75°
Lens Mount	M12
<b>IR</b>	
IR Range	2.8/4 mm: up to 20 m 6 mm: up to 30 m
Wavelength	850 nm
<b>Compression Standard</b>	
Video Compression	Main stream: H.264 Sub-stream: H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile
H.264+	Main stream supports
Video Bit Rate	32 Kbps to 8 Mbps
<b>Image</b>	
Max. Resolution	1920 × 1080
Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-stream Max. Frame Rate	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Image Enhancement	BLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Scheduled
<b>Network</b>	
Alarm Trigger	Motion detection, video tampering alarm, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Firmware Version	5.5.4
API	ONVIF (PROFILE S), 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+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
<b>General</b>	
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 PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W; PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 6.5 W
Protection Level	IP67
Material	Without -M model: Bubble: plastic, front cover: plastic, bottom base: metal -M model: Bubble: plastic, front cover: metal, bottom base: metal
Dimensions	Φ 111 mm × 82.4 mm (Φ 4.4" × 3.2")
Weight	Without -M model: 420 g (0.9 lb.) With -M model: 480 g (1.1 lb.)

## Available Models

HWI-D120 (2.8/4/6 mm) (B), HWI-D120-M(2.8/4/6 mm)

## Dimension



## Accessory



DS-1259ZJ  
Inclined Ceiling  
Mount



DS-1271ZJ-110  
Pendant Mount



DS-1272ZJ-110  
Wall Mount



DS-1272ZJ-110B  
Wall Mount



DS-1276ZJ-SUS  
Corner Mount



DS-1280ZJ-DM18  
Junction Box



DS-1258ZJ  
Wall Mount



DS-1253ZJ-M  
Rain Shade



DS-1250ZJ  
Rain Shade



DS-1275ZJ-SUS  
Vertical Pole Mount

Distributed by



## HIKVISION® HiWatch Series

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Africa**  
T +27 (0) 0351172  
sale.africa@hikvision.com

**Hikvision Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com