

# HIKVISION®

## HiWatch Series

HWI-D149HA  
4 MP ColorVu Fixed Dome Network Camera

# ColorVu



Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- 24/7 color imaging
- Support Human and Vehicle Detection
- Water and dust resistant (IP67) and vandal resistant (IK08)
- Efficient H.265+ compression technology

## ▪ Specification

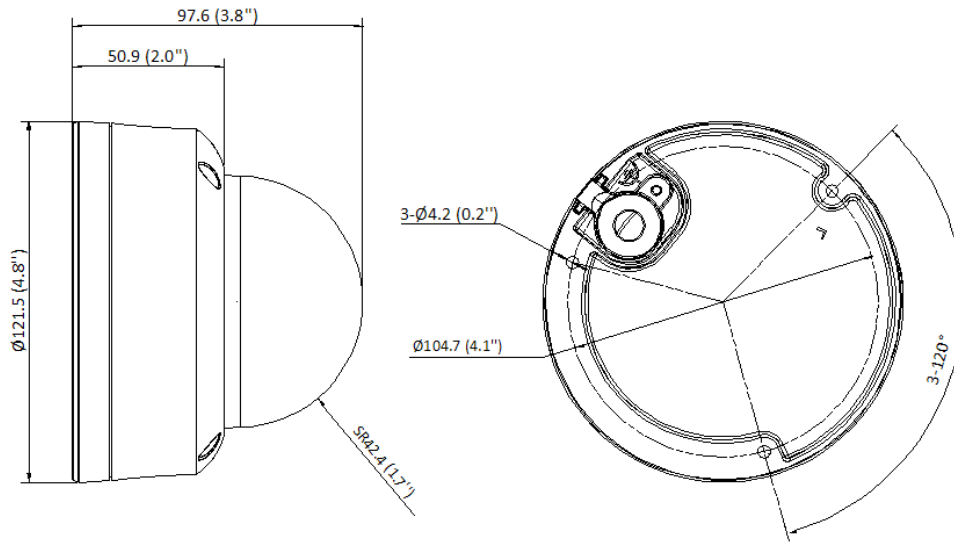
<b>Camera</b>	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Day & Night	24/7 color imaging
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
<b>Lens</b>	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV: 96°, vertical FOV: 52°, diagonal FOV: 113° 4 mm, horizontal FOV: 75°, vertical FOV: 40°, diagonal FOV: 89°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2 m to ∞ 4 mm: 2.7 m to ∞
<b>DORI</b>	
DORI	2.8 mm, D: 64 m, O: 25 m, R: 12 m, I: 6 m 4 mm, D: 82 m, O: 32 m, R: 16 m, I: 8 m
<b>Illuminator</b>	
Supplement Light Type	White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
<b>Video</b>	
Main Stream	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 24 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region(s) for main stream
<b>Network</b>	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T), ISAPI, SDK

Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP, send email, notify surveillance center, trigger capture
<b>General</b>	
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.15 A to 0.2 A, max. 6.5 W
Material	Base: aluminum alloy, cover: plastic
Dimension	Ø121.5 mm × 97.6 mm (Ø4.8" × 3.8")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.9")
Weight	Approx. 500 g (1.1 lb.)
With Package Weight	Approx. 700 g (1.5 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, password protection, password reset via email
<b>Approval</b>	
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU WEEE: 2012/19/EU Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013 IK08: IEC 62262:2002

▪ **Available Model**

HWI-D149HA (2.8/4 mm)

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

DS-1272ZJ-120 Wall Mount	DS-1272ZJ-120B Wall Mount	DS-1253ZJ-M Rain Shade	DS-1280ZJ-DM46 Junction Box	DS-1275ZJ-SUS Vertical Pole Mount
				
DS-1271ZJ-120 Pendant Mount				
				

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