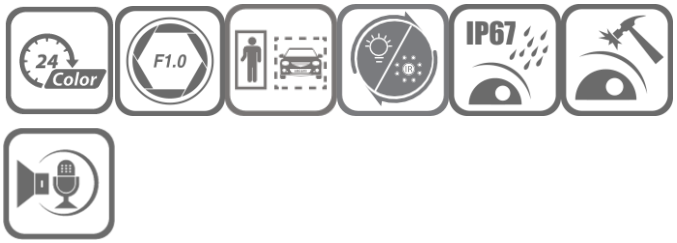
HiWatch™

HWI-D169HAA-LU
6 MP ColorVu 3.0 Fixed Dome Network Camera

ColorVu 3.0





- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Motion Detection 3.0, more accurate on person and vehicle classification
- /SL/SRB: Provide real-time security via built-in two-way audio and strobe light alarm
- -F: Support on-board storage up to 512 GB (SD card slot) (Optional)
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Water and dust resistant (IP67) and vandal resistant (IK08)

▪ Specification

Camera	
Image Sensor	1/2.4" Progressive Scan CMOS
Max. Resolution	3200 × 1800
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON),0 Lux with light
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 109°, vertical FOV 60°, diagonal FOV 130° 4 mm, horizontal FOV 89°, vertical FOV 49°, diagonal FOV 105°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 1.9 m to ∞ 4 mm: 2.4 m to ∞
DORI	
DORI	2.8 mm, D: 68 m, O: 27 m, R: 13 m, I: 6 m 4 mm, D: 83 m, O: 33 m, R: 16 m, I: 8 m
Illuminator	
Supplement Light Type	IR,White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 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 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)

Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RCTP, NTP, IGMP, UDP, QoS, FTP, SMTP, UPnP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T),ISAPI,SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
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)
Client	iVMS-4200,Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Enhancement	BLC,HLC,3D DNR
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Built-in Microphone	Yes,1 built-in microphone
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Linkage	-LUF/S(L)(RB): Upload to memory card, upload to FTP, trigger recording, notify surveillance center, send email, trigger capture -LU: Upload to FTP, notify surveillance center, send email, trigger capture
General	
Power	12 VDC ± 25%, 0.5 A, max. 6 W,Ø5.5 mm coaxial power plug,reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W
Material	Base: metal, cover: plastic
Dimension	Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")
Package Dimension	150 mm × 150 mm × 141 mm (5.91" × 5.91" × 5.55")
Weight	Approx. 490 g (1.1 lb.)
With Package Weight	Approx. 710 g (1.6 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)

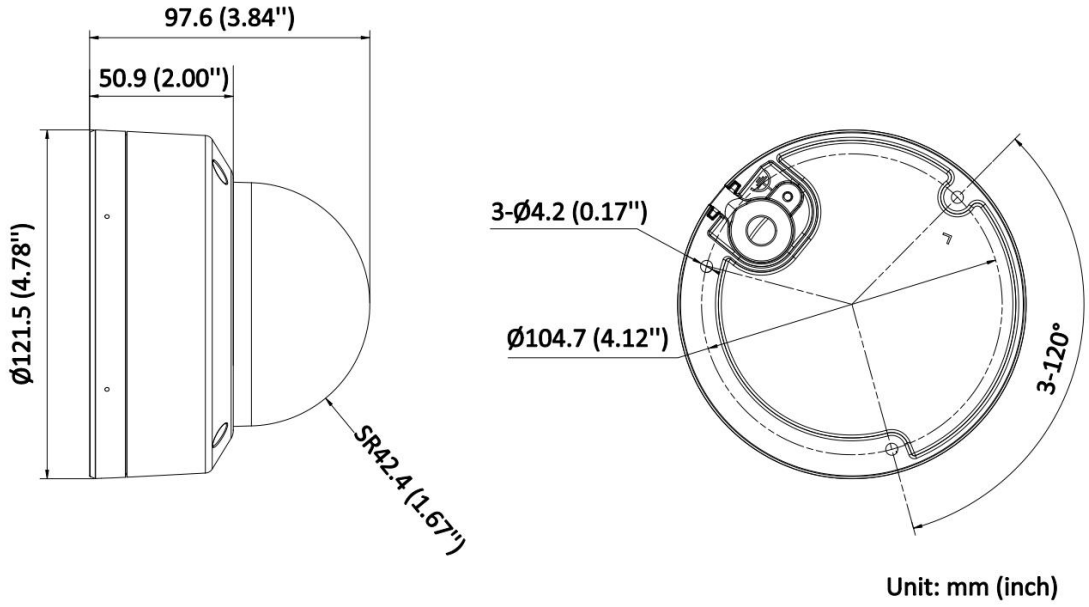
Language	English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German
General Function	Heartbeat,anti-banding,mirror,password protection,password reset via email
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
Safety	CB: IEC 62368-1:2014+A11
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-D169HAA-LU(2.8mm)

HWI-D169HAA-LU(4mm)

▪ Dimension



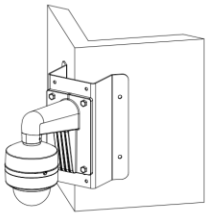
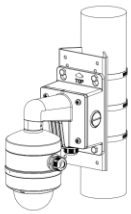
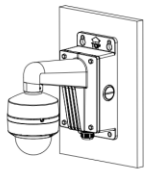
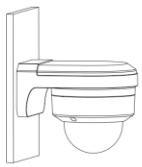
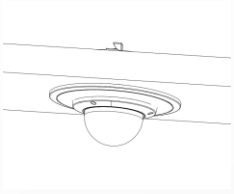
▪ Accessory

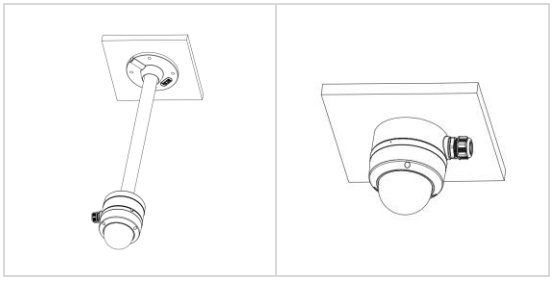
▪ Optional

DS-1276ZJ-SUS	DS-1275ZJ-SUS	DS-1275ZJ-S-SUS	DS-1272ZJ-120B	DS-1476ZJ-SUS
				

DS-1475ZJ-SUS	DS-4221ZJ-WC	DS-1272ZJ-120	DS-1271ZJ-120	DS-220AZJ-130-WA
				
DS-1280ZJ-DM46	**DS-220AZJ-145-WA**			
				

▪ Installation Methods

Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120	Corner Mounting DS-1476ZJ-SUS+DS-220AZJ-145-WA	Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120B+DS-1280ZJ-DM46	Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-220AZJ-130-WA	Vertical Pole Mounting DS-1475ZJ-SUS+DS-220AZJ-145-WA
				
Wall Mounting DS-1272ZJ-120B	**Wall Mounting DS-1272ZJ-120+DS-1253ZJ-M**	**Wall Mounting DS-220AZJ-130-WA**	**Wall Mounting DS-220AZJ-145-WA**	**In-Ceiling Mounting DS-4221ZJ-WC**
				
Pendant Mounting DS-1271ZJ-120+DS-1280ZJ-DM46	**Junction Box DS-1280ZJ-DM46**			



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HiWatch™