HiWatch™

HWI-B429HAA-LU(F)(/SL)(/SRB)
2 MP ColorVu 3.0 Fixed Bullet Network Camera

ColorVu 3.0





- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- High quality imaging with 2 MP resolution
- Motion Detection 3.0 supports Human and Vehicle Detection
- Built-in microphone for real-time audio security
- Smart Hybrid Light: advanced technology with long range
- Support on-board storage up to 512 GB (SD card slot) (Optional)
- Water and dust resistant (IP67)

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
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	HWI-B429HAA-LU(F)(/SL)(/SRB):Pan: 0° to 360°,tilt: 0° to 180°,rotate: 0° to 360° Pan: 0° to 360°,tilt: 0° to 180°,rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 106°, vertical FOV 56°, diagonal FOV 129° 4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 103°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 1.2 m to ∞ 4 mm: 1.3 m to ∞
DORI	
DORI	2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m
Illuminator	
Supplement Light Type	IR,White Light
Supplement Light Range	Up to 50 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (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
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)/8 to 160 Kbps(MP3)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes

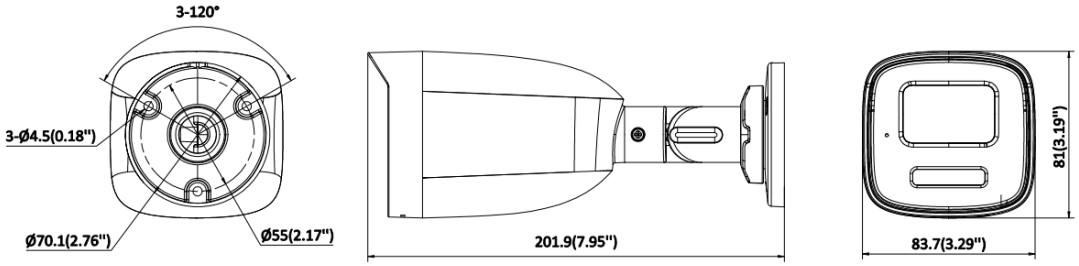
Network	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G),ISAPI,SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated 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 free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 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 rectangular privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	-LU：NA -LUF/S(L)(RB)：Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes,1 built-in microphone
Built-in Speaker	-LU: NA -LUF/S(L)(RB): Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB
Reset Key	-LU：NA -LUF/S(L)(RB)：YES
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Linkage	Upload to FTP/memory card,notify surveillance center,send email,trigger recording,trigger capture
General	
Power	-LU: 12 VDC ± 25%, 0.52 A, max. 6.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W, -LUF/S(L)(RB): 12 VDC ± 25%, 0.68 A, max. 8.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9.9 W
Material	Front cover: metal, body: plastic, bracket: metal

Dimension	HWI-B429HAA-LU(F)(/SL)(/SRB):-LU: 83.7 mm × 81 mm × 201.9 mm (3.3" × 3.2" × 8.0"), -SL/-SRB: 81 mm × 83.7 mm × 211 mm (3.2" × 3.2" × 8.3") 83.7 mm × 81 mm × 201.9 mm (3.3" × 3.2" × 8.0")
Package Dimension	260 mm × 125 mm × 125 mm (10.2" × 5.0" × 5.0")
Weight	-LU: Approx. 430 g (0.95 lb.) -LUF/S(L)(RB): Approx. 520 g (1.15 lb.)
With Package Weight	-LU: Approx. 580 g (1.28 lb.) -LUF/S(L)(RB): Approx. 650 g (1.43 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,mirror,flash log,password reset via email,password protection,anti-banding
Flashing Light	-LU：NA -LUF/SL：White Light -LUF/SRB：Red and Blue Light
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, 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

▪ Available Model

HWI-B429HAA-LUF/SL(2.8mm)
HWI-B429HAA-LUF/SL(4mm)
HWI-B429HAA-LU(2.8mm)
HWI-B429HAA-LU(4mm)
HWI-B429HAA-LUF/SRB(2.8mm)
HWI-B429HAA-LUF/SRB(4mm)

▪ Dimension



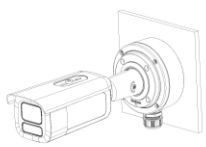
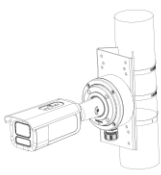
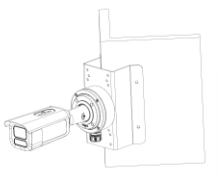
Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1280ZJ-XS	DS-1275ZJ-SUS	DS-1276ZJ-SUS
		

▪ Installation Methods

Junction Box DS-1280ZJ-XS	Vertical Pole Mounting DS-1275ZJ-SUS+DS-1280ZJ-XS	Corner Mounting DS-1276ZJ-SUS+DS-1280ZJ-XS
		

See Far, Go Further

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