

DS-2CD1F47G3H-LIUF/SX 4 MP ColorVu 3.0 Fixed PT Network Camera

ColorVu 3.0



- Auto Tracking: person tracking automatically based on Motion Detection 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
- /SX: provides strobe light alarm with two alarm light types: white and red & blue
- Two-way Audio via camera and Hik-Connect
- -F: supports on-board storage up to 512 GB (SD card slot)
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Dust and water resistant (IP66)

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.0001 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: -170° to 170°, tilt: 0° to 80°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 101°, vertical FOV 56°, diagonal FOV 120° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.3 m to ∞ 4 mm: 2.7 m to ∞
DORI	
DORI	2.8 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m 4 mm, D: 68 m, O: 27 m, R: 13 m, I: 6 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: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (768 × 432, 640 × 360) 60 Hz: 24 fps (768 × 432, 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
Target Cropping	NA
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/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, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
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: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	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
On-Board Storage	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	Yes, 1 built-in speaker
Audio	NA
Alarm	NA
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	NA
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger capture
Deep Learning Function	
Perimeter Protection	NA
Face Capture	NA
General	
Power	12 VDC ± 15%, 0.84 A, max. 10 W, PoE: af, Class 3, max. 12 W
Material	Front cover: Plastic, body: Plastic, bracket: Plastic
Dimension	Ø110.8 mm × 145.4 mm (Ø4.36" × 5.73")
Package Dimension	185 mm × 145 mm × 198 mm (7.28" × 5.71" × 7.8")
Weight	Approx. 650 g (1.43 lb.)
With Package Weight	Approx. 850 g (1.87 lb.)

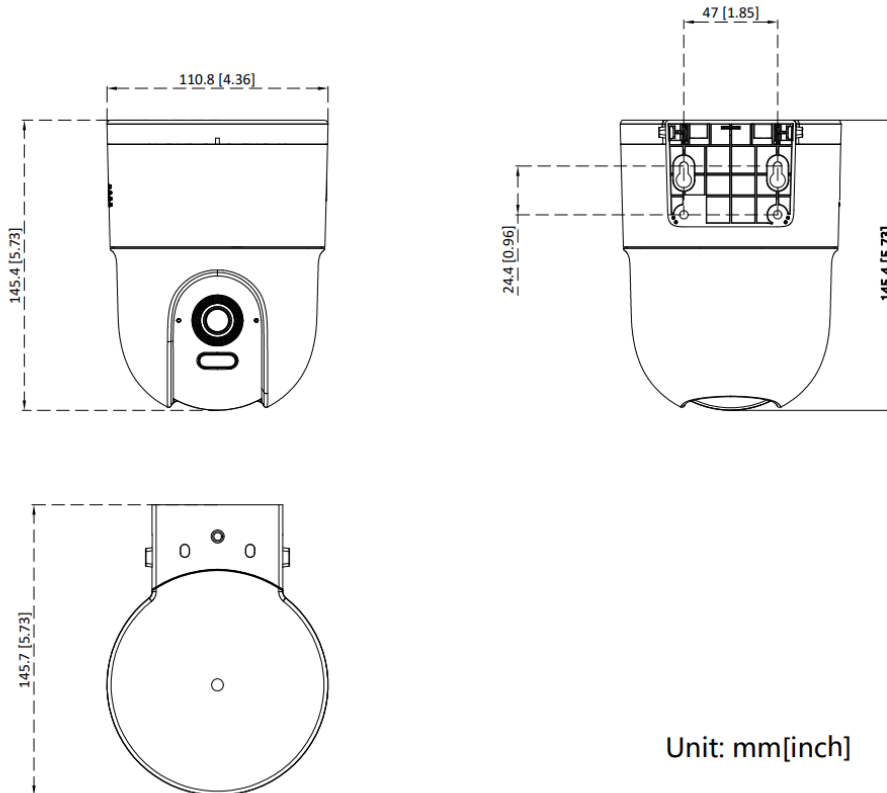
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German
General Function	Heartbeat,mirror,flash log,password reset via email,password protection,anti -banding
Flashing Light	Red and Blue Light,White 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	IP66: IEC 60529-2013

▪ Available Model

DS-2CD1F47G3H-LIUF/SX(2.8mm)

DS-2CD1F47G3H-LIUF/SX(4mm)

▪ Dimension



Unit: mm[inch]

See Far, Go Further



www.hikvision.com
support@hikvision.com

