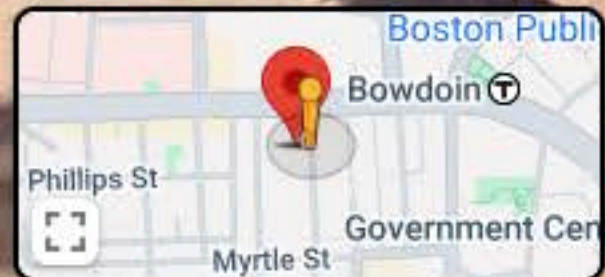81 Joy St
Boston, Massachusetts
Google Street View
Nov 2022   See more dates

Camra 1 & 2
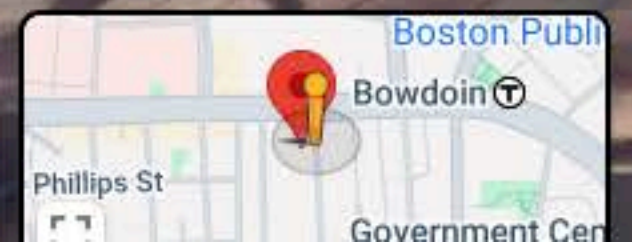
74 Joy St
Boston, Massachusetts
Google Street View
Nov 2022   See more dates

Camera #4

Camera #3

Designed, developed and made in Germany

D2101KV

IP VIDEO DOOR STATION

For single-family houses and commercial buildings with 1 unit
Keypad Module · 1 Call Button

ANSWER YOUR DOOR ANYWHERE.

HOW DOES IT WORK?

Imagine, you are not at home and your children have locked themselves out or the courier wants to deliver a parcel. With DoorBird this is no longer a problem. Every time someone rings the doorbell you will get a push notification on your smartphone or tablet. Via the DoorBird App you can talk to visitors and also see them live in HD quality. You will never miss a visitor again. With DoorBird you are on the move and yet at home, even if a burglar rings at the door to check if someone is at home.

SMART HOME STARTS AT THE FRONT DOOR

DoorBird is the smart solution for your house entrance. Simply connect your DoorBird IP Video Door Station to your smartphone and talk to your visitor – anywhere you are. The IP Video Door Station can be used as a stand-alone unit or can be integrated into an existing Smart Home platform. Even existing classic installations such as an electric door opener can still be used and controlled via the DoorBird App.

QUALITY MADE IN GERMANY

All DoorBird products are designed, developed and produced by Bird Home Automation Group in Berlin, Germany. We manufacture all products with the greatest care and precision, and deliver them to our customers all over the world.

Open API
- Local interface for integration with third-party systems and SIP

Video and audio call
- On smartphones, tablets (iOS, Android), IP and landline phones (SIP)

Smart Transmission Mode (STM)
- Real-time audio / video communication, optimized for mobile devices via WiFi, 3G, 4G, 5G

Smart Home & NVR compatible
- Control4, Loxone, Crestron, Synology, AVM FRITZ!Fon, URC, QNAP, RTI, ELAN, Fibaro, Bang & Olufsen and others

PLUS X AWARD
2022/2023 | Achieved for:
High Quality
Design
Ease of Use
Functionality
www.plusxaward.com

DOORBIRD D21x

Automatic door buzzer
- For use in medical offices and office environments

HDTV Video
- Ultra wide-angle, hemispheric lens, 180°

Motion sensor with 4D technology
- Distance up to 10 m adjustable via App (interval: 1 m)

Free visitor history
- Store still images for free, optional video recording available

Light sensor
- For night vision mode

Noise reduction and echo cancellation (AEC, ANR)

Individual action schedules, e.g.:
- RFID card "abc" has only access on Wednesday from 9 am until 11 am
- 4D motion sensor switches on external lamp between 9 pm and 6 am

Two freely configurable bi-stable switching relays
- Two doors or gates can be controlled via App
- Status configurable via App: temporary or permanent circuit

Keypad Module
- Configurable via App
- Up to 500 individual PIN codes
- Individual events (e.g. trigger a relay, HTTP(s) request)

Geofencing
- Automatic door and gate opening when returning home

RFID reader
- Configurable remotely via App (e.g. time frame)

Easy connection to the network
- Connection via a network cable or bell wire via 2-Wire Ethernet PoE Converter "DooBird A1071" (PoE, network data)

Night vision
- With 12 Infrared LEDs

Call button
- With backlit nameplate

Microphone
- Clear voice transmission

DoorBird
Technology meets Design.

GENERAL

Front panel	3 mm (0.12 in) Available in brushed stainless steel V2A / V4A and V2A with bronze and titanium finish, DB 703, RAL 7016, Graphite Black (Raven Polar)
Mounting type	Flush- or surface-mounted, mounting housing sold separately
Power supply	15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Call button	Illuminated
Nameplate	Stainless Steel, Bell symbol, engraved through material for illumination, self-adhesive. Engravable metal nameplate sold separately, see www.doorbird.com/buy
Keypad Module	12 keys, illuminated, configurable via App, e.g. · Individual PIN codes · Individual events (e.g. switch a relay, HTTP(s) request) · Individual schedules · Up to 500 PIN codes manageable · 30 most recent entries viewable in history
Weight	1510 g
Connectors	· RJ45, for LAN/PoE · Bistable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener · Bistable latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener · External input for external door opener button · 15 V DC input (+, -), max. 15 W · Relays can be expanded / detached with DoorBird I/O Door Controller
Weather-proof	Yes, IP65
Approvals	IP65, CE, FCC, IC, RoHS, IK08, REACH, IEC/EN 62368, IEC/EN 62471
Dimensions	351,5 x 131 x 49,6 mm (H x W x D) 13.84 x 5.16 x 1.95 in (H x W x D)
Operating conditions	-25 to +55°C / -13 to 131°F Humidity 10 to 85 % RH (non-condensing)
Scope of delivery	1x Main Electrical Unit 1x Front panel 1x Nameplate for 1 call button, stainless steel, bell symbol 1x Nameplate for 1 call button, plastic, transparent 1x RFID key fob 1x Screwdriver 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts
Warranty	see www.doorbird.com/warranty

CURRENT SYSTEM REQUIREMENTS

System requirements	Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fiber optic, no socks or proxy server Network: Ethernet Network, with DHCP
Recommended installation height	Camera lens should be at a min. height of 145 cm (57 in). Before the installation please determine your optimal installation height.

VIDEO

Camera	HDTV 720p, dynamic (VGA – HDTV)
Lens	High-end ultra wide-angle hemispheric lens 180° (D), 140° (H), 100° (V), straightened, IR-capable
Night-vision	Yes, light sensor, automatic IR-cut filter, 12 Infrared LEDs (850 nm)

AUDIO

Audio components	Speaker and microphone, noise reduction and echo cancellation (ANR, AEC)
Audio streaming	Two-way, full duplex

NETWORK

Ethernet	RJ45 jack, PoE 802.3af Mode-A, 10/100 Base-T
Supported protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP, ARP, SIP, DTMF (RTP [RFC-2833], SIP INFO [RFC-2976]), STM

MOTION SENSOR

Type	Active
Detection angle	54° (H), 70° (V)
Range	1 - 10 m (3.3 - 32.9 ft), depends on environment, configurable in 1 m (3.3 ft) steps.
Technology	4D. Based on multiple integrated sensors and algorithms, e.g. Radio Frequency Energy (RFE)
Configuration	Via App, e.g. · Range (1 - 10 m / 3.3 - 32.9 ft) · Movement direction (coming, leaving, both) · Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification) · Individual schedules

RFID

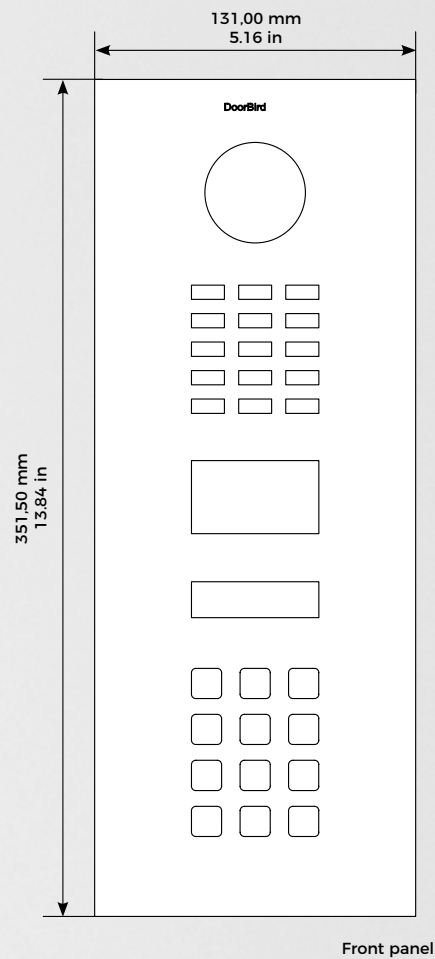|	
Type	Active Reader Passive Tag (ARPT) system
Standard	ISO/IEC 18000-2:2009 Part 2, EM4100, EM4102
Frequency	125 KHz
Range	0 - 3 cm, depends on environment
Antenna	Internal
Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy Up to 500 tags manageable
Configuration	Via App, e.g. · Tag (add, delete) · Individual events (e.g. switch a relay, SIP call [audio/video], HTTP(s) notification) · Individual schedules · RFID history available for 60 minutes in the app

INTEGRATED WIRELESS MODULES

RFID	125 KHz
Sensor	24 GHz, can be disabled

THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)

Partnerintegrations	see www.doorbird.com/connect
API	see www.doorbird.com/api
Simultaneous video streams	One, for event-based and continuous recording

OPTIONAL ACCESSORIES

Sold separately	· Power supply unit (mains adaptor) with 4 country-specific outlet adaptors (110 - 240 V AC to 15 V DC) – EAN 4260423867314 · Surface-mounting housing, flush-mounting housing, Protective-Hood · See www.doorbird.com/buy

Special remarks:
Assembly requires professional skills or a technician.

DoorBird
Technology meets Design.

Front panel material thickness: 3.0 mm (0.12 in)

131,00 mm
5.16 in

351,50 mm
13.84 in

DoorBird

Front panel

DoorBird

Camera # 5

Camera # 5

Key Feature

- Support Wifi (Only available in DS-KV6113-WPE1(B) model), convenient setting up and no wiring required
- Support web configuration
- Nice industry design, IP65, 2 indicator integrated
- Internal Mifare card reader, 1-ch Indoor station access control
- Noise suppression and echo cancellation
- 2MP HD Camera with IR supplement
- Standard PoE/ 12 VDC

Specification

System parameters

Operation system	Embedded Linux operation system
Flash	16 M, 32 M
RAM	256 M
CPU	Embedded MCU Processor

Display parameters

Size	/
Operation method	/
Type	/
Resolution	/

Video parameters

Video compression standard	H.264

Supplement light	IR supplement
Lens	1
FOV	Horizontal: 129° Vertical: 75°
WDR	True WDR
Pixel	Main stream: 1920 × 1080p, 720p Sub stream: 704 × 576

Audio parameters

Audio compression standard	G.711 U
Audio input	Built-in omnidirectional microphone
Audio output	Built-in loudspeaker
Audio compression bitrate	64 Kbps
Audio quality	Noise suppression and echo cancellation
Volume adjustment	Adjustable

Capacity

Fingerprint capacity	/
User capacity	2000
Face capacity	/
Linked indoor station	1
Event capacity	/

Network parameters

Communication protocol	TCP/IP, RTSP

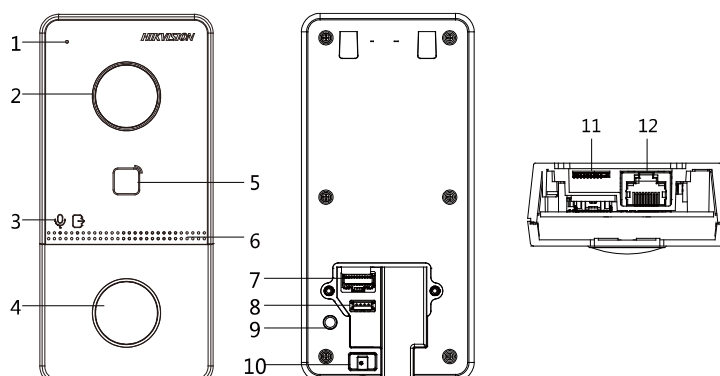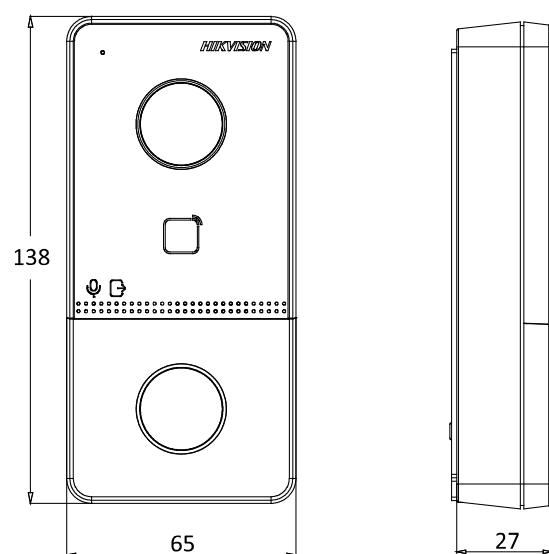|	
Wired network	10/100 Mbps self-adaptive Ethernet
Wi-Fi	Support
Bluetooth	/
3G/4G	/
Received frequency	2.4 to 2.4835GHz
Transmitted frequency	2.4 to 2.4835 GHz
Bandwidth	20 to 40 MHz
Frequency power	802.11b:16dBm +/- 1.5dBm 802.11g:15dBm +/- 1.5dBm 802.11n(ht20):14dBm +/- 1.5dBm 802.11n(ht40):12dBm +/- 1.5dBm
Device interfaces	
Alarm input	4
Network interface	1
TAMPER	1
RS-485	1
Exit button	1
USB	0
Wiegand	0
TF card	0
Alarm output	0
Lock control	1
Door contact input	1
Power interface	1
General	
Button	1
Indicator	2
Installation	Surface mounting
Working temperature	-40°C to +55°C(-40°F to 131°F)
Working humidity	10% to 95%
Indicator	2
Weight	265 g
Protective level	IP65
Power supply method	IEEE802.3af, standard PoE 12 VDC
Dimensions	138 mm × 65 mm × 27 mm
Battery	/
Application environment	Outdoor
Power consumption	< 10 W

Available Model

DS-KV6113-WPE1(B)

Appearance and Interfaces

No.	Description	No.	Description
1	Microphone	7	Terminals
2	Camera	8	Debugging Port
3	Indicator	9	TAMPER
4	Button	10	Set Screw
5	Card Reading Area	11	TF Card Slot
6	Loudspeaker	12	Network Interface

Dimension

HIKVISION®

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HIKVISION®

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HIKVISION

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
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 130 dB WDR technology
- 24/7 colorful imaging
- Focus on human and vehicle targets classification based on deep learning
- -SU: Built-in microphone for real-time audio security, audio and alarm interface available
- Water and dust resistant (IP67) and vandal resistant (IK10)

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white 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°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134°
	4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.5 m to ∞
	4 mm: 3.5 m to ∞
DORI	
DORI	2.8 mm, D: 58 m, O: 23 m, R: 11 m, I: 2 m
	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	*Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+
	Sub-stream: H.265/H.264/MJPEG
	Third stream: H.265/H.264
	*Third stream is supported under certain settings.
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	-SU: Mono sound
Audio Compression	-SU: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC

Audio Bit Rate	-SU: 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/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	-SU: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	-SU: Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK , ISUP5.0
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, security audit log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (512 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
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)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC/TF card, up to 512 GB
Built-in Microphone	-SU: Yes
Audio	-SU: 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
Alarm	-SU: 1 input, 1 output (max. 12 VDC, 30 mA)
Reset Key	Yes
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception

Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send emailtrigger alarm output (-SU), audible warning (-SU)
Deep Learning Function	
Face Capture	Yes
General	
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, 0.20 A to 0.15 A, max. 6.5 W
Dimension	Ø121.4 mm × 100.1 mm (Ø4.8" × 3.9")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" ×5.6")
Weight	Approx. 600 g (1.3 lb.)
With Package Weight	Approx. 820 g (1.6 lb.)
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
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)
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Approval	
EMC	FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014) RCM (AS/NZS CISPR 32: 2015) IC (ICES-003: Issue 7)
Safety	UL (UL 62368-1) CB (IEC 62368-1: 2014+A11) CE-LVD (EN 62368-1: 2014/A11: 2017) LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU) WEEE (2012/19/EU) Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013) IK10 (IEC 62262: 2002)

▪ **Available Model**

DS-2CD2147G2-L (2.8/4 mm)

DS-2CD2147G2-LSU (2.8/4 mm)

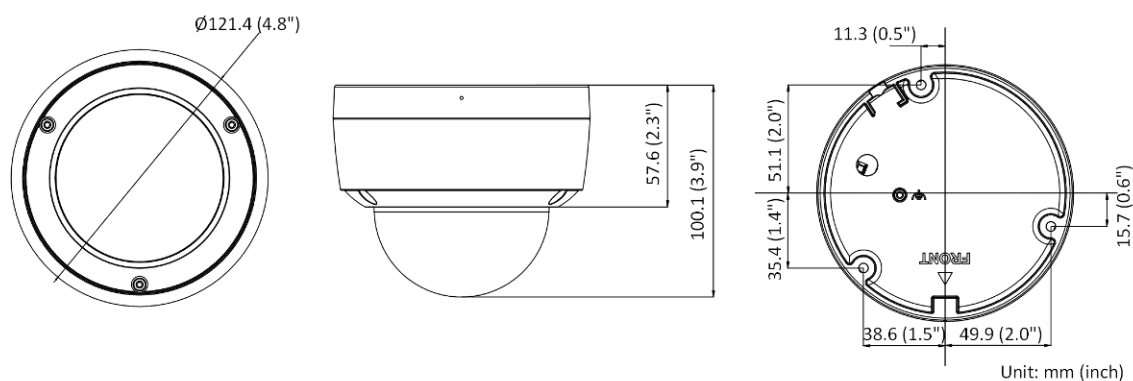DS-2CD2147G2-LSU (2.8 mm) (Black)

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension

Ø121.4 (4.8")

57.6 (2.3")
100.1 (3.9")

11.3 (0.5")
51.1 (2.0")
35.4 (1.4")
15.7 (0.6")
38.6 (1.5") 49.9 (2.0")
FRONT

Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1272ZJ-120B **Wall Mount**	DS-1271ZJ-120 **Pendant Mount**	DS-1272ZJ-120 **Wall Mount**

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