**DoorBird**
Technology meets Design.

Designed, developed and made in Germany

DoorBird

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Different Colors

# D2103V

## IP VIDEO DOOR STATION

For houses and buildings with up to 3 units
3 Call Buttons

# 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 are not only able to talk to the visitor but 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 GmbH 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

**Automatic door buzzer**
· For use in medical offices and office environments

**HD HDTV Video**
· Ultra wide-angle, hemispheric lens, 180°

**4D 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

**Call button**
· With backlit nameplate

**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

**Microphone**
· Clear voice transmission

**Easy connection to the network**
· Connection via a network cable or a bell wire (with a 2-wire converter) to a RJ45 socket (PoE, network data)

**Geofencing**
· Automatic door and gate opening when returning home

**Noise reduction and echo cancellation (AEC, ANR)**

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

**IR Night vision**
· With 12 Infrared LEDs

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

## GENERAL

| | |
|---|---|
| Front panel | 3 mm (0.12 in)<br>Available in over 50 RAL colors and surfaces including stainless steel V2A / V4A<br>(see material guide) |
| Mounting housing (backbox) | Stainless steel |
| Mounting type | Flush-mounted, surface-mounting housing sold separately |
| Call button | Illuminated |
| Nameplate | Plastic. Engravable metal nameplate sold separately, see www.doorbird.com/buy |
| Power supply | 15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A) |
| Weight | 1818 g |
| Connectors | • RJ45, for LAN/PoE<br>• Bistable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener<br>• Bistable latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener<br>• External input for external door opener button<br>• 15 V DC input (+, -), max. 15 W<br>• 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 | 313 x 131 x 48,75 mm (H x W x D)<br>12.32 x 5.16 x 1.92 in (H x W x D) |
| Operating conditions | -25 to +55°C / -13 to 131°F<br>Humidity 10 to 85 % RH<br>(non condensing) |
| Scope of delivery | 1x Main Electrical Unit<br>1x Front panel<br>1x Flush-mounting housing (backbox)<br>1x Power supply unit (mains adaptor) with four country-specific outlet adaptors<br>(110 - 240 V AC to 15 V DC)<br>1x RFID key fob<br>1x Screwdriver<br>1x Quickstart guide with<br>Digital Passport<br>1x Installation manual<br>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<br><br>Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fiber optic, no socks or proxy server<br><br>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.<br>• Range (1 - 10 m / 3.3 - 32.9 ft)<br>• Movement direction (coming, leaving, both)<br>• Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification)<br>• 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<br><br>Up to 100 tags manageable |
| Configuration | Via App, e.g.<br>• Tag (add, delete)<br>• Individual events (e.g. switch a relay, SIP call [audio/video], HTTP(s) notification)<br>• Individual schedules |

## INTEGRATED WIRELESS MODULES

| | |
|---|---|
| RFID | 125 KHz |
| Sensor | 24 GHz, can be disabled |

## THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)
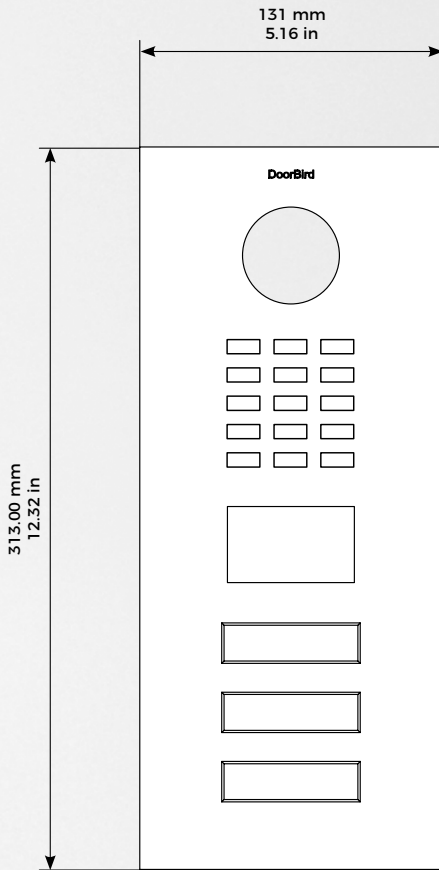
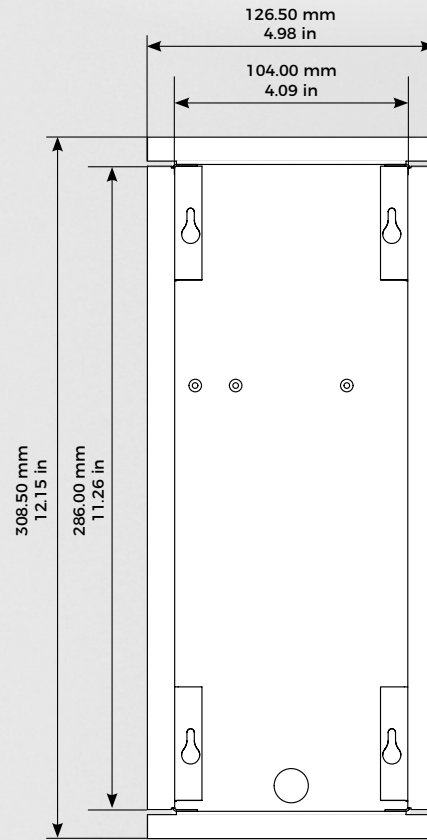| | |
|---|---|
| Partnerintegrations | see www.doorbird.com/connect |
| API | see www.doorbird.com/api |
| Simultaneous video streams | One, for event-based and continuous recording |

## OPTIONAL ACCESSORIES

| | |
|---|---|
| Sold separately | see www.doorbird.com/buy |

Special remarks:
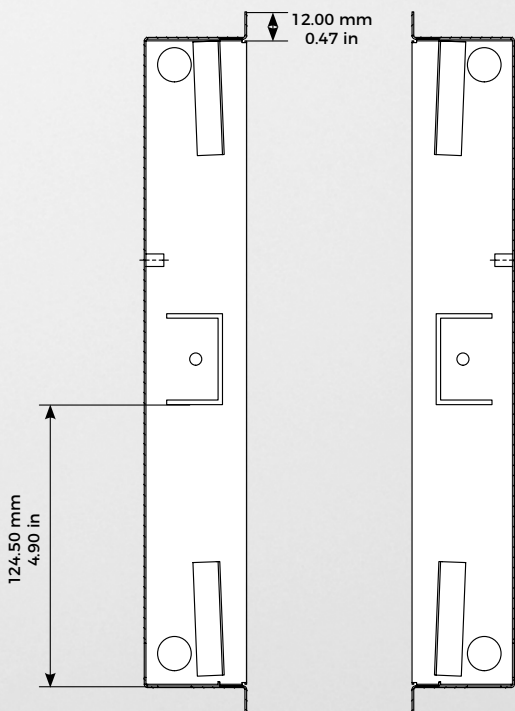Assembly requires professional skills or a technician.

DoorBird
Technology meets Design.

Front panel material thickness: 3.0 mm (0.12 in)

131 mm
5.16 in

313.00 mm
12.32 in

DoorBird

**Front panel**

126.50 mm
4.98 in

104.00 mm
4.09 in

308.50 mm
12.15 in

286.00 mm
11.26 in

**Flush-mounting housing (backbox)**

12.00 mm
0.47 in

124.50 mm
4.90 in

**Flush-mounting housing (backbox)** **Flush-mounting housing (backbox)**

45.75 mm
1.80 in

**Flush-mounting housing (backbox)**