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 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 a door chime or 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.

ADVANTAGES

- **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

- **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

www.doorbird.com
Automatic door buzzer
- For use in medical offices and office environments

Night vision
- With 12 Infrared LEDs

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

Free visitor history
- Store still images for free. Optional video recording available.

Light sensor
- For night vision mode

Call button
- With backlit nameplate

Geofencing
- Automatic door and gate opening when returning home

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

Keypad Module
- Configurable via App
- More than 100 individual PIN codes
- Individual events (e.g.: alarm system control)

Burglary prevention
- Prevents more break-ins than an alarm system

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

Easy connection to the network
- Connection via RJ45 socket or bell wire via 2-wire transformer (PoE, network data)

Receive packages at any time
- Direct the parcel carrier e.g. to the neighbor or open the garage door via smartphone

Microphone
- Clear voice transmission

Two freely configurable bi-stable switching relays
- Control two doors or gates via App
- Status configurable via App: Temporary or permanent circuit

Noise reduction and echo cancellation (AEC, ANR)
TECHNICAL SPECIFICATIONS

GENERAL

Front panel 3 mm (0.12 in)
Available in brushed stainless steel V2A / V4A and with Bronze-Finish, V4A

Mounting housing (backbox) Stainless steel

Mounting type Flush-mounted, surface-mounting housing sold separately

Power supply 15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)

Call button Plastic. Engravable metal nameplate sold separately, see www.doorbird.com/buy

Nameplate Illuminated

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 100 PIN codes manageable

Weight 2040g

Connectors
• RJ45, for LAN/PoE
• Bi-stable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener
• Bi-stable latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener
• Switch relays, max. 24 V DC/AC, 1 ampere, e.g. for conventional door chimes
• External input for external door opener button (potential-free)
• 15 V DC input (+, -), max. 15 W

Weather-proof Yes, IP65

Approvals IP65, CE, FCC, RoHS, IK08, REACH, IEC/EN 62368, IEC/EN 62471

Dimensions 349.5 x 129 x 49.6 mm (H x W x D)
13.76 x 5.08 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 Flush-mounting housing (backbox)
1x RFID key fob
1x Screwdriver
1x Quickstart guide with Digital Passport
1x Installation manual
1x Small parts

Warranty see www.doorbird.com/warranty

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


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 100 tags manageable

Configuration Via App, e.g.
• Tag (add, delete)
• Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification)
• 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.
Front panel material thickness: 3.0 mm (0.12 in)

Front panel

Flush-mounting housing (backbox)

Flush-mounting housing (backbox)