DoorBird
Technology meets Design.

Designed, developed and made in Germany

D2101TFV

IP VIDEO DOOR STATION

With contactless call button module

Contactless call button module

RING BY WAVING

At DoorBird we have been working hard researching, developing and intensively testing ways to make life more hygienic.

The result of this work is our contactless call button.

Our module allows the bell to be rung without touch, reducing viruses and germs in high use areas. The module is ideal for public buildings such as health centres or schools, but also smaller offices and institutions where hygiene requirements for staff and visitors is of greater importance.

The module features an intelligent motion sensor that uses radar technology to reliably detect when a hand is placed in front of it and with a range of 10 cm. Using a simple hand gesture, visitors can hygienically and intuitively trigger the bell and open the door. As our sensor is able to detect an object approaching, it also works in situations where you don't have any hands free - e.g. just hold a package up in front of the sensor.

Green background illumination when gesture detected.

Once it has detected motion, the sensor can trigger all the same actions as our classic call button, e.g.:

· send out a call signal, e.g. as a push notification
· start a SIP call
· trigger a relay in order to e.g.
  automatically open a door a set period of time
· send information to the building automation
  system, e.g. using HTTP/(s) commands

The contactless call button is compatible with our series D21x IP video door stations The sensor cover provides information in five languages: German, English (default), Spanish, French and Italian.

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

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

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

Geofencing
- Automatic door and gate opening when returning home

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

IR Night vision
- With 12 Infrared LEDs

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

Light sensor
- For night vision mode

Microphone
- Clear voice transmission

Noise reduction and echo cancellation (AEC, ANR)

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

Call button
- With backlit nameplate
- Up to eighteen call buttons

Contactless call button
- High-end radar motion sensor for reliable detection at close range
- Personalised events (e.g. door opened, door bell push notification, SIP etc.)

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

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

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

GENERAL

Front panel	3 mm (0.12 in) For further information on materials and colours see the materials table on the product page in the online shop.
Mounting type	Flush or surface mount Mounting backing case available separately Please note: To ensure optimal operation of the contactless call button module, weatherproof mounting is recommended. In rare cases, the sensor can be triggered by heavy rain falling directly on the sensor surface.
Power supply	15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Call button	• Illumination • As parallel call option to contactless call button module. (Please note: Station features 1 call option. Call button and contactless call module are switched on together and can be assigned to a single action)
Nameplate	Stainless steel, bell symbol. Engravable name sign available separately, see www.doorbird.com/buy
Contactless call button module	• High-end radar motion sensor for reliable detection at close range • Two-colour backlight (colour changes to green when motion detected) • Individual events (e.g. open door, push notification, SIP etc.) • Interchangeable text fields in 5 languages (DE, EN, ES, FR, IT) included
Weight	1818 g
Connectors	• RJ45, for LAN/PoE • Bistable self-latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electrical door opener • Bistable self-latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electrical door opener • External input for external door opening button • 15 V DC input (-/+), max. 15 W • Relay can be extended/replaced with DoorBird I/O Door Controller.
Protection class	IP65, IK08
Approvals	CE, FCC, IC, UKCA, RoHS, REACH, WEEE, IEC/EN 62368, IEC/EN 62471
Dimensions	313 x 131 x 48.75 mm (H x W x D) 12.32 × 5.16 × .92 in (L × W × H)
Operating conditions	-25 ˚C to +55 ˚C / -13 ˚F to 131 ˚F Relative air humidity 10% to 85% (non-condensing)
Scope of delivery	1x main electrical unit 1x front cover 1x name sign for one call button, stainless steel, bell symbol 1x RFID key fob 1x screwdriver 1x quick-start guide with Digital Passport 1x installation manual 1x set of hardware 4x sensor field cover in German, Spanish, French and Italian; (English preinstalled)
Warranty	See www.doorbird.com/de/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.

Please note:
Installation requires technical knowledge or a professional.

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
Contactless call button module	Sensor: Radar sensor 24 GHz / close range up to 30 cm LED: White - background illumination Grenn - motion detection green

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

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Front panel material thickness: 3.0 mm (0.12 in)

131 mm
5.16 in

313.00 mm
12.32 in

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