



Inklusive Hörschleifenmodul

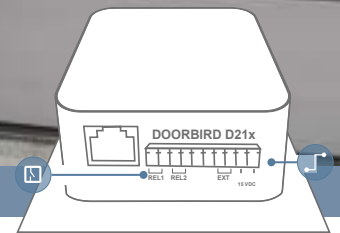
D2100EA ACCESSIBILITY

IP VIDEO DOOR STATION

Engineering Edition for integration purposes

ANSWER YOUR DOOR ANYWHERE.

ADVANTAGES



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



Automatic door buzzer

- For use in medical offices and office environments



HDTV video

- Ultra wide-angle, hemispheric lens, 180°



Microphone

- Clear voice transmission



Video and audio call

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



Free visitor history

- Store still images for free, optional video recording available



Light sensor

- For night vision mode



Two freely configurable bistable switching relays

- Two doors or gates can be controlled via App
- Status configurable via App: temporary or permanent circuit



Smart Transmission Mode (STM)

- Real-time audio / video communication, optimized for mobile devices via WiFi, 3G, 4G, 5G



Individual action schedules, e.g.:

- RFID key fob "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



Easy connection to the network

- Connection via a network cable or bell wire via 2-Wire Ethernet PoE+ Converter DoorBird A1072 (PoE, network data)



Integrated accessibility module

- Status visualization
- Acoustic signal when pressing the call button
- Hearing loop for wireless transmission of the audio signal from the door station to the visitor's hearing aid
- Complies with DIN 18040 (DE), ÖNORM B1600 (AT), SIA 500 (CH) and Article 4 (FR) for construction of accessible buildings



Smart Home & NVR compatible

- Control4, Loxone, Crestron, Synology, AVM FRITZ!Fon, URC, QNAP, RTI, Nice, Fibaro, Bang & Olufsen and others



Geofencing

- Automatic door and gate opening when returning home



Noise reduction and echo cancellation (AEC, ANR)



Night vision

- With 12 Infrared LEDs



Motion sensor with 4D technology

- Distance up to 10 m adjustable via App (interval: 1 m)



RFID reader

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

TECHNICAL SPECIFICATIONS

GENERAL

Power supply	15 V DC (max. 15 W) oder Power over Ethernet (PoE 802.3af Mode-A)
Weight	360 g
Connectors	• RJ45, for LAN/PoE • Bistable latching relay #1, max. 24 V DC/AC, 1 A, e.g. for electric door opener • Bistable latching relay #2, max. 24 V DC/AC, 1 A, 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 • Hearing loop, 12-48 V DC, min. 6 W (separate power supply necessary, not included in scope of delivery)
Weather-proof	Yes, IP65
Approvals	IP65, CE, FCC, IC, RoHS, REACH, IEC/EN 62368, IEC/EN 62471, UL 62368-1
Dimensions	186 x 74 x 48 mm (H x W x D) 7.32 x 2.91 x 1.89 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 Holding Plate for mounting the Main Electrical Unit 1x RFID key fob 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts
EAN	4260423869158
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
Configuration	Up to 500 tags manageable 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

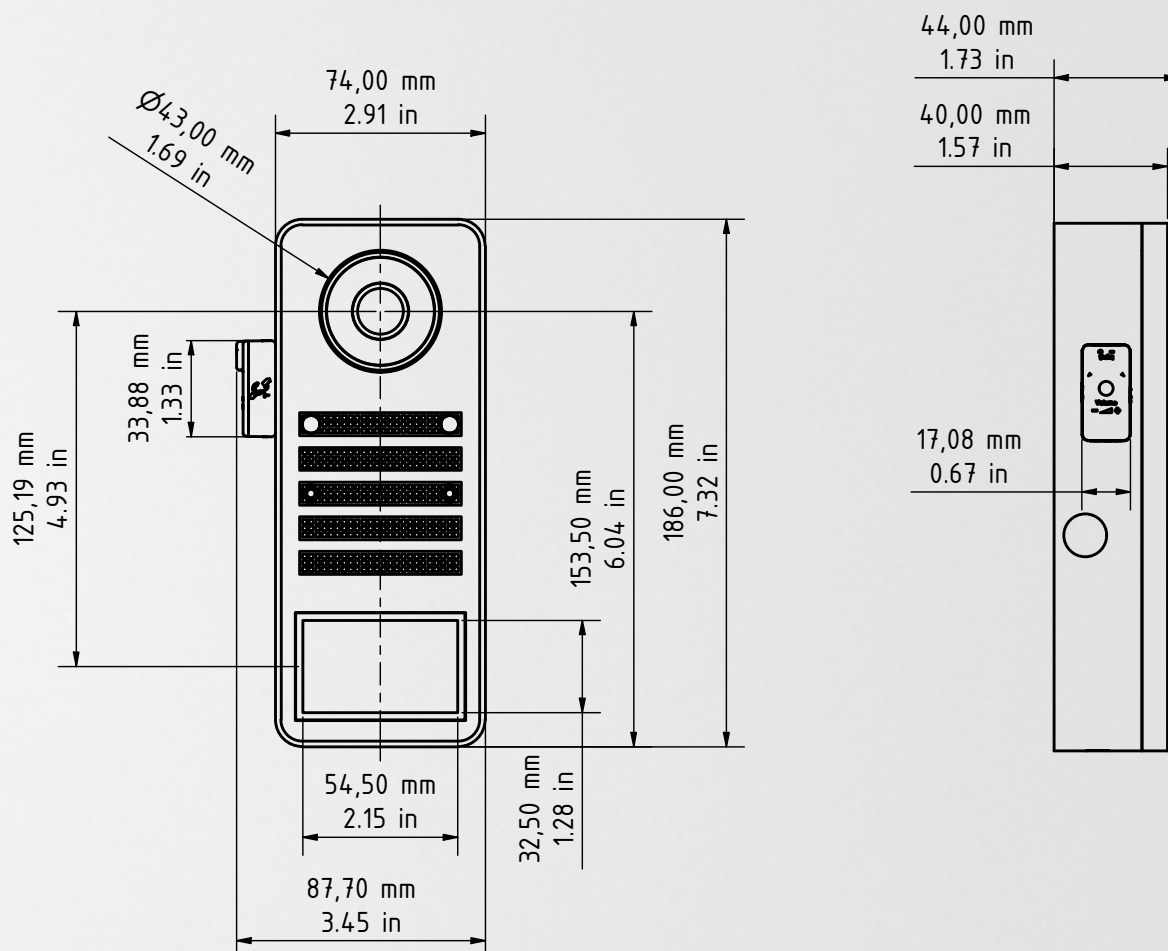
THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)

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 (100 - 240 V AC to 15 V DC) - EAN 4260423867314 • See www.doorbird.com/buy
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Special remarks:
Assembly requires professional skills or a technician.



Important note:

For the production of individual panels, please refer to the notes and technical drawings:

www.doorbird.com/downloads/constructional_drawings_d2100e.zip