DESIGN AWARD 2026

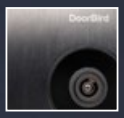
GERMAN DESIGN AWARD WINNER 2026

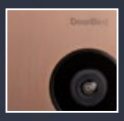
PLUS X AWARD BEST BRAND OF THE YEAR 2026

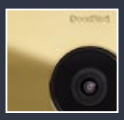
DoorBird
Technology meets Design.



5 MP Camera







+

SONY STARVIS

RFID

PoE

Wiegand

Bluetooth

D2201FV FINGERPRINT 50
IP VIDEO DOOR STATION

For single-family houses and commercial buildings with 1 unit
Fingerprint reader module · 1 Call button

Designed, developed and made in Germany

ANSWER YOUR DOOR ANYWHERE.



HOW DOORBIRD WORKS: GREATER CONVENIENCE AND SECURITY – ANYTIME, ANYWHERE.

With DoorBird, you're always in the loop, whether you're at home or on the go. As soon as someone rings the doorbell, you'll receive a push notification on your smartphone or your DoorBird IP video indoor station. Thanks to the DoorBird app, you can see visitors in HD quality, speak with them in real time, and open the door if needed.

You can respond immediately even if deliveries arrive while you're away or if someone checks to see if you're home. With DoorBird, you'll never miss an important interaction and will always stay in control of your entryway — conveniently, securely, and from anywhere.

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.

SOPHISTICATED TECHNOLOGY & EASY INSTALLATION

- Connection via network cable (PoE) or bell wire (with 2-wire converter)
- Configurable, backlit call button
- Remotely configurable RFID reader
- Echo and noise cancellation for clear communication
- Real-time audio/video transmission optimized for mobile devices via WiFi, 3G, 4G, 5G (STM)
- Access via smartphone, tablet, SIP phone or FRITZ!Fon
- 12 V DC @ 0.48 A power output for electric door opener
- Easy upgrade of existing D21x installations by replacing the main electrical unit



HD **5 MP camera, HDR**
Ultra-wide-angle, 180° hemispheric lens

Wide range of interfaces
OSDP, RS-485, Wiegand

125 kHz & 13.56 MHz RFID readers
Can be configured remotely via app or webadministration, e.g., time slots

Bluetooth Low Energy (BLE)
For access control, compatible with DoorBird Bluetooth Keyfob

Power supply for door openers
12 V DC @ 0.48A current output for door opener

Fingerprint reader
With touch sensor, RGB status LED, and storage for 50 fingerprints

SECURITY AT THE HIGHEST LEVEL

- 5 MP camera with 180° ultra-wide-angle lens
- 4D motion sensor with adjustable range (up to 10 m)
- Intelligent event control (e.g., light activation on motion)
- Night vision with infrared LEDs
- Light sensor for automatic night mode
- Free visitor history with image storage, optional video recordings via Cloud Pro

SEAMLESS SMART HOME & SIP INTEGRATION

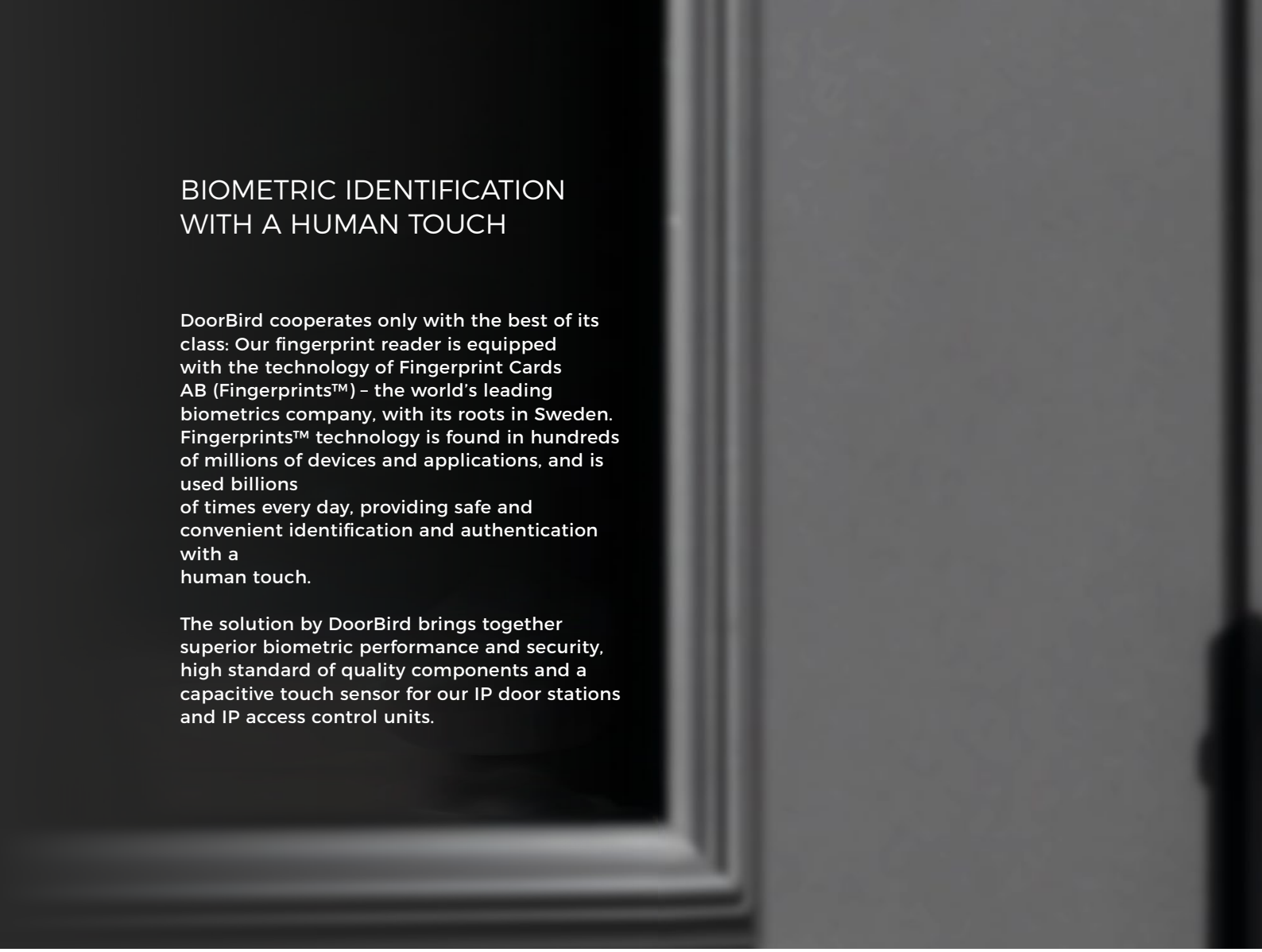
- Stand-alone operation or full system integration
- Smart home & NVR compatible
- Compatible with KNX, Crestron, Control4, Loxone, Gira, Home Assistant, Nice, RTI, Homematic, Yale, Nuki, ASSA ABLOY Accentra/ Access, Bang & Olufsen, FRITZ!Fon, Synology, QNAP and many more
- Easy connection to smart locks or electric door openers
- Open API for integration into third-party and SIP systems
- Interfaces for Wiegand, OSDP, RS485

INTELLIGENT ACCESS CONTROL

- Geofencing: automatic door/gate opening when returning home
- Door opener automation – ideal for offices and medical practices
- Two freely configurable relays for doors or gates
- Individual time and action plans, e.g., for access authorization or motion detection

Access Solutions

- **Fingerprint**
- **Bluetooth®**
- **RFID (125 kHz & 13.56 MHz)**
- **App Key**
- **Integration of external readers**



BIOMETRIC IDENTIFICATION WITH A HUMAN TOUCH

DoorBird cooperates only with the best of its class: Our fingerprint reader is equipped with the technology of Fingerprint Cards AB (Fingerprints™) – the world's leading biometrics company, with its roots in Sweden. Fingerprints™ technology is found in hundreds of millions of devices and applications, and is used billions of times every day, providing safe and convenient identification and authentication with a human touch.

The solution by DoorBird brings together superior biometric performance and security, high standard of quality components and a capacitive touch sensor for our IP door stations and IP access control units.

REMOTE CONFIGURATION

The enrollment of a new fingerprint is done comfortably via App or our web-based dashboard available at https://webadmin.doorbird.com. A fingerprint can also be deleted remotely in real-time in case the access has to be revoked.

Using our fingerprint reader, you can restrict access authorization to specific days and times. This way, you determine who can enter your home or building and when. You can also define individually per fingerprint which action should be executed, e.g. trigger relay 1 or relay 2, trigger an IP I/O door controller, call a HTTP(s) URL, arm or disarm an alarm system, open a smart lock or trigger a building automation system event.

WEATHERPROOF SENSOR

Our fingerprint reader is especially designed for areas exposed to strong outdoor weather conditions, e.g. heat and cold, and does not lose its functionality. To ensure error-free detection, the sensor surface must be dry and clean. The touch sensor is effectively superior to line-based readers in terms of security, comfort and speed, and it also allows a lower installation height.



DATA-PRIVACY AND SECURITY

The reader does not store any fingerprint images. It stores only one template per fingerprint in form of a mathematically calculated hash value. Biometric features are not transmitted to the DoorBird Door Station, the app or the cloud. Thus, our system meets the highest data protection and data security standards.

In addition, the fingerprint reader has a locking mechanism which prevents attempts at manipulation, temporarily locking the system after multiple unauthorized access attempts. To increase the security even more, the fingerprint reader has no built-in relays. Instead, you can securely release a detached relay with the DoorBird I/O Door Controller A1081, which is connected to a DoorBird IP Video Door Station.

FINGERPRINT READER FEATURES

- Touch sensor
- Configurable via App or web-based dashboard
- Status LED (RGB)
- Fully integrated into DoorBird IP Video Door Stations
- 1,000 times more secure than a 4-digit keypad PIN code
- Manipulation prevention system
- Event history with time stamp
- No more misplaced, forgotten, lost or stolen keys possible
- No unauthorized use of PIN codes or RFID key fobs possible, a fingerprint is unique per person
- Personalized time frames and actions
- Supported number of fingerprints (template storage): 50

TECHNICAL DATA

GENERAL

Front panel	3 mm (0.12 in) For materials and colors see material board and Online Shop.
Mounting type	Flush- or surface-mounted, product-dependent
Call button	Illuminated
Nameplate	Plastic Metal cover plate and engraving available separately, see www.doorbird.com/buy
Fingerprint Reader Module 50	Configurable via App • Individual events (e.g., switch a relay, HTTP(s) request) • Individual schedules • Up to 50 fingerprints manageable • Event history Multicolored Status LED • Normal mode: – Green + success sound: successfully authenticated – Red + error sound: unrecognized fingerprint (e.g., unknown fingerprint or wet touch sensor field - dry it with a tissue) – Pink: Manipulation prevention (too many failed attempts, locked out for min. 30 seconds) • Enrollment mode: – Blue: wait for finger to touch – Green + no sound: scan step successful – Green + success sound: entire scan step successful (enrollment done) – LED goes off: Timeout during enrollment • Start-up mode: – Yellow: Hardware test successful – Red: Hardware test not successful (broken)
Power supply	Power over Ethernet (PoE 802.3at Mode A/B)
Weight	1330 g
Connectors	• RJ45, for LAN/PoE • Bistable self-holding switching relay #1 (NO/COM/NC), max. 24 V DC/AC, 1 ampere, e.g., for electric door openers • Bistable self-holding switching relay #2 (NO/COM/NC), max. 24 V DC/AC, 1 ampere, e.g., for electric door openers • External Input #1 • External Input #2 • Relays can be expanded or relocated using the DoorBird I/O Door Controller. • 1x USB Type-C module connector (touch display) • 12 V DC @ 0.48 A output, e.g., for an electric door opener • RS485, Wiegand, OSDP
Protection Class	IP65, IK08
Approvals	CE, FCC, IC, RoHS, REACH, WEEE, IEC/EN 62368, IEC/EN 62471
Dimensions	313 x 131 x 48,75 mm (H x W x D) 12.32 x 5.16 x 1.92 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 Mounting housing (only available in selected countries) 1x Nameplate for 1 call button, metal, bell symbol 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	HD, 5 Megapixel, dynamic (VGA – HD)
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, 2 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 802.3at Mode A/B, 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, WebRTC

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

125 KHZ RFID READER

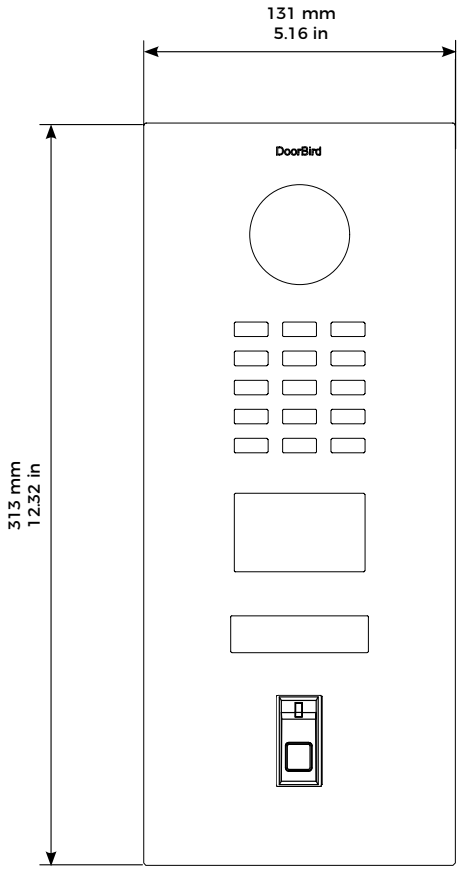
Type	Active Reader Passive Tag (ARPT) System
Standard	ISO/IEC 18000-2:2009 Part 2, EM4100, EM4102
Frequency	125 kHz
Range	0 - 3 cm (0.118 in), depends on environment
Antenna	Internal
Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy Up to 3000 tags can be managed.
Configuration	Via App, for example • Tag (add/delete) • Custom events (e.g., triggering a relay, SIP call [audio/video], HTTP(s) notification) • Individual schedules

13.56 MHZ RFID READER

Type	Active Reader Passive Tag (ARPT) System
Standard	UID (CSN) from: MIFARE Classic®, MIFARE DESFire® EV1 and EV2, ISO14443A, ISO14443B, ISO15693, NFC® (HCE support required)
Frequency	13.56 MHz
Range	0 - 3 cm (0.118 in), depends on environment
Antenna	Internal
Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy Up to 3000 tags manageable

Encryption	Requires a DoorBird Cloud Pro or DoorBird Cloud Enterprise license.
Configuration	Via App, for example • Tag (add/delete) • Custom events (e.g., triggering a relay, SIP call [audio/video], HTTP(s) notification) • Individual schedules
OSDP	
OSDP	Hardware ready, enabled later on with software update
RS485	
RS485	Hardware ready, enabled later on with software update
WIEGAND	
Direction	Input, output: Hardware ready, enabled later on with software update
Supported protocols	26, 30, 31, 34, and 44 bits
Supported data transmission	125 kHz RFID transponders, 13.56 MHz RFID transponders
Maximum cable length	Max. 150 m (492 ft)
Voltage	When no data is being transmitted, both DATA0 and DATA1 are pulled up to the „high“ voltage level, +5 V DC. The interface is electrically isolated.
Configuration	Via App, e.g., log and interface on/off
INTEGRATED WIRELESS MODULES	
RFID	125 KHz, 13.56 MHz, can be disabled
Sensor	24 GHz, can be disabled
Bluetooth	Bluetooth Low Energy (BLE), compatible with DoorBird Bluetooth Keyfob Remote A8007
THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)	
Partnerintegrations	See www.doorbird.com/integrations
API	See www.doorbird.com/api
Simultaneous video streams	One, for event-based and continuous recording
OPTIONAL ACCESSORIES	
Sold separately	• Surface-mount housing, flush-mount housing, protective hood • Optionally available with hearing loop; incl. PMR symbols • More at: www.doorbird.com/buy

Front panel material thickness: 3,0 mm (0.12 in)



Special remarks: Assembly requires professional skills or a technician.

Errors and omissions excepted. | Last update 07/2026 - Copyright © ASSA ABLOY – www.doorbird.com