



D21DKH

IP VIDEO DOOR STATION

For multi-tenant residences and buildings with up to 100 units
Display Module • Keypad Module

Designed,
developed and
made in Germany

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 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



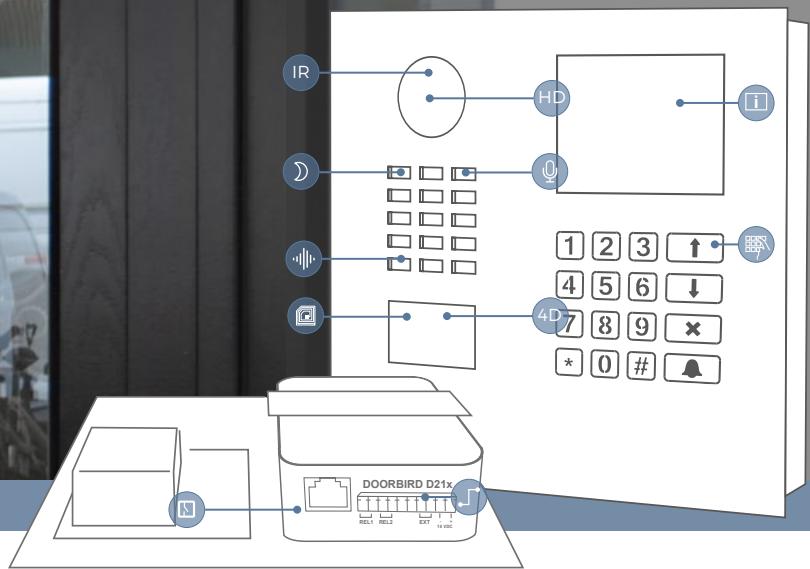
Smart Home & NVR compatible

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



Night vision

- With 12 Infrared LEDs



Automatic door buzzer

- For use in medical offices and office environments

HD HDTV Video

- Ultra wide-angle, hemispheric lens, 180°



Display Module

- Distance sensitivity on/off
- Individually configurable, e.g.: display of the resident directory, welcome message



Free visitor history

- Store still images for free, optional video recording available



Light sensor

- For night vision mode



Noise reduction and echo cancellation (AEC, ANR)



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



Two freely configurable bi-stable switching relays

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



Keypad Module

- Configurable via App
- Individual PIN codes
- Individual events (e.g.: trigger a relay, push notification, ...)



Geofencing

- Automatic door and gate opening when returning home



RFID reader

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



Easy connection to the network

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



Motion sensor with 4D technology

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



Microphone

- Clear voice transmission

TECHNICAL SPECIFICATIONS



GENERAL		VIDEO	
Front panel	3 mm (0.12 in) Available in brushed stainless steel V2A / V4A and with Bronze-Finish, V2A	Camera	HDTV 720p, dynamic (VGA - HDTV)
Mounting type	Flush- or surface-mounted, mounting housing sold separately	Lens	High-end ultra wide-angle hemispheric lens 180° (D), 140° (H), 100° (V), straightened, IR-capable
Power supply	15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)	Night-vision	Yes, light sensor, automatic IR-cut filter, 12 Infrared LEDs (850 nm)
Display Module	3.5" LCD (no touch function), illuminated, for the display of a 2-line free text and the name directory (max. 100 entries)	AUDIO	
	16 keys, illuminated, configurable via App, e.g. <ul style="list-style-type: none">Individual PIN codesIndividual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) request)Individual schedulesUp to 100 PIN codes manageable	Audio components	Speaker and microphone, noise reduction and echo cancellation (ANR, AEC)
Keypad Module		Audio streaming	Two-way, full duplex
Weight	2180 g	NETWORK	
	<ul style="list-style-type: none">RJ45, for LAN/PoEBistable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door openerBistable latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door openerExternal input for external door opener button15 V DC input (+, -), max. 15 WRelays can be expanded / detached with DoorBird I/O Door Controller	Ethernet	RJ45 jack, PoE 802.3af Mode-A, 10/100 Base-T
Connectors		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		MOTION SENSOR	
Weather-proof	Yes, IP65	Type	Active
Approvals	IP65, CE, FCC, IC, RoHS, IK08, REACH, IEC/EN 62368, IEC/EN 62471	Detection angle	54° (H), 70° (V)
Dimensions	256 x 275.25 x 48.75 mm (H x W x D) 10.08 x 10.13 x 1.92 in (H x W x D)	Range	Since a "Display Module" is connected to the Main electrical unit, the range is limited to 1 m (3.3 ft).
Operating conditions	-25 to +55°C / -13 to 131°F Humidity 10 to 85 % RH (non-condensing)	Technology	4D. Based on multiple integrated sensors and algorithms, e.g. Radio Frequency Energy (RFE)
Scope of delivery	1x Main Electrical Unit 1x Front panel 1x RFID key fob 1x Screwdriver 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts	RFID	
Warranty	see www.doorbird.com/warranty	Type	Active Reader Passive Tag (ARPT) system
CURRENT SYSTEM REQUIREMENTS		Standard	ISO/IEC 18000-2:2009 Part 2, EM4100, EM4102
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	Frequency	125 KHz
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.	Range	0 - 3 cm, depends on environment
		Antenna	Internal
		Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy
		Configuration	Up to 100 tags manageable Via App, e.g. <ul style="list-style-type: none">Tag (add, delete)Individual events (e.g. switch a relay, SIP call [audio/video], HTTP(s) notification)Individual schedulesRFID history available for 60 minutes in the app
INTEGRATED WIRELESS MODULES		INTEGRATED WIRELESS MODULES	
		RFID	125 KHz
		Sensor	24 GHz, can be disabled
THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)		THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)	
		Partner integrations	see www.doorbird.com/connect
		API	see www.doorbird.com/api
		Simultaneous video streams	One, for event-based and continuous recording
OPTIONAL ACCESSORIES		OPTIONAL ACCESSORIES	
		Sold separately	<ul style="list-style-type: none">Power supply unit (mains adaptor) with 4 country-specific outlet adaptors (110 - 240 V AC to 15 V DC) - EAN 4260423867314Surface-mounting housing, flush-mounting housing, Protective-HoodSee www.doorbird.com/buy
			Special remarks: Assembly requires professional skills or a technician.

TECHNICAL DRAWINGS

Front panel material thickness: 3.0 mm (0.12 in)

