

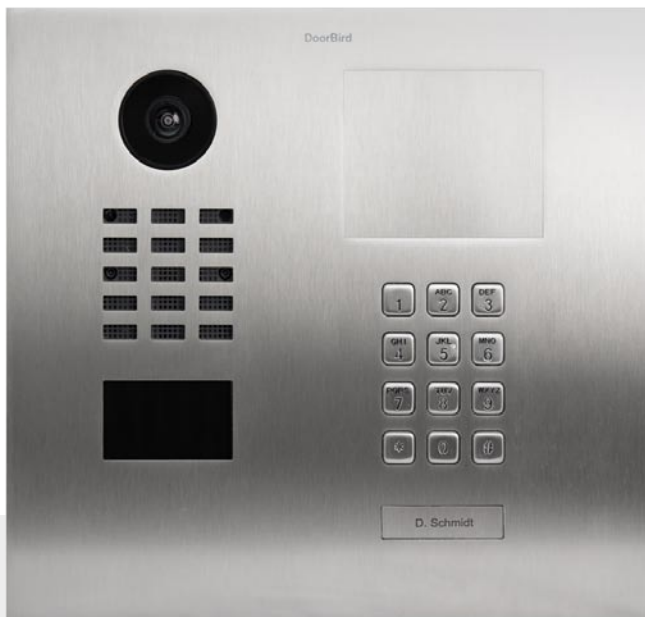
# DB-D2101KH

## IP Video Door Station

For residential & commercial properties with 1 call button



[www.aap.co.nz](http://www.aap.co.nz)



- Video & audio communication
- Smartphone & tablet compatible
- Free app for Apple & Android
- Motion sensor with 4D technology
- Designed & manufactured in Germany
- Store images for free
- Configurable access keypad





#### Automatic door buzzer

- For use in medical offices and office environments



#### HDTV Video

- Ultra wide-angle, hemispheric lens, 180°



#### Motion sensor with 4D technology

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



#### 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
- Up to 100 individual PIN codes
- Individual events (e.g. trigger a relay, HTTP(s) request)



#### 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)



#### Night vision

- With 12 Infrared LEDs



#### Call button

- With backlit nameplate



#### Microphone

- Clear voice transmission

# DB-D2101KH Technical Specifications

GENERAL	
Front panel	3 mm (0.12 in) Available in brushed stainless steel V2A / V4A and V2A with bronze and titanium finish, DB 703, RAL 7016
Mounting type	Flush- or surface-mounted, mounting housing sold separately
Power supply	15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Call button	Illuminated
Nameplate	Stainless Steel, Bell symbol, engraved through material for illumination, self-adhesive. Engravable metal nameplate sold separately, see <a href="http://www.doorbird.com/buy">www.doorbird.com/buy</a>
Info Module	3.5", illuminated
Keypad Module	12 keys, illuminated, configurable via App, e.g. <ul style="list-style-type: none"> <li>Individual PIN codes</li> <li>Individual events (e.g. switch a relay, HTTP(s) request)</li> <li>Individual schedules</li> <li>Up to 100 PIN codes manageable</li> <li>30 most recent entries viewable in history</li> </ul>
Weight	2510 g
Connectors	<ul style="list-style-type: none"> <li>RJ45, for LAN/PoE</li> <li>Bistable latching relay #1, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener</li> <li>Bistable latching relay #2, max. 24 V DC/AC, 1 Ampere, e.g. for electric door opener</li> <li>External input for external door opener button</li> <li>15 V DC input (+, -), max. 15 W</li> <li>Relays can be expanded / detached with DoorBird I/O Door Controller</li> </ul>
Weather-proof	Yes, IP65
Approvals	IP65, CE, FCC, IC, RoHS, IK08, REACH, IEC/EN 62368, IEC/EN 62471
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)
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 Engravable panel, stainless steel 1x Nameplate for 1 call button, stainless steel, bell symbol 1x Nameplate for 1 call button, plastic, transparent 1x RFID key fob 1x Screwdriver 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts
Warranty	see <a href="http://www.doorbird.com/warranty">www.doorbird.com/warranty</a>

## 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

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. <ul style="list-style-type: none"> <li>Range (1 - 10 m / 3.3 - 32.9 ft)</li> <li>Movement direction (coming, leaving, both)</li> <li>Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification)</li> <li>Individual schedules</li> </ul>

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 <a href="http://www.doorbird.com/buy">www.doorbird.com/buy</a>
Configuration	Up to 100 tags manageable  Via App, e.g. <ul style="list-style-type: none"> <li>Tag (add, delete)</li> <li>Individual events (e.g. switch a relay, SIP call [audio/video], HTTP(s) notification)</li> <li>Individual schedules</li> <li>RFID history available for 60 minutes in the app</li> </ul>

INTEGRATED WIRELESS MODULES	
RFID	125 KHz
Sensor	24 GHz, can be disabled

THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)	
Partnerintegrations	see <a href="http://www.doorbird.com/connect">www.doorbird.com/connect</a>
API	see <a href="http://www.doorbird.com/api">www.doorbird.com/api</a>
Simultaneous video streams	One, for event-based and continuous recording

## OPTIONAL ACCESSORIES



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344B Rosedale Road, Albany, 0632

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