



DoorBird
Technology meets Design.



D21DKH

IP VIDEO DOOR STATION

Brushed Stainless Steel • Display Module • Keypad Module

Designed,
developed and
made in Germany

TECHNICAL SPECIFICATIONS



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Technology meets Design.

GENERAL

| | |
|----------------------------|--|
| Front panel | Brushed stainless steel, 3 mm (0.12 in) |
| Mounting housing (backbox) | Stainless steel |
| Mounting type | Flush-mounted |
| Power supply | 15 V DC or Power over Ethernet (PoE 802.3af Mode-A) |
| Display Module | 3.5" LCD (no touch function), illuminated |
| Keypad Module | <ul style="list-style-type: none"> 16 keys, illuminated, configurable via App, e.g. • Individual PIN codes • Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification) • Individual schedules |
| Weight | 3043 g |
| Connectors | <ul style="list-style-type: none"> • RJ45, for LAN/PoE • Bi-stable latching relay #1, max. 1-24 V DC/V AC, 1 Ampere, e.g. for electric door opener • Bi-stable latching relay #2, max. 1-24 V DC/V AC, 1 Ampere, e.g. for electric door opener • Switch relay, max. 1-24 V DC / V AC, 1 ampere, e.g. for conventional door chime • External input (potential-free), for external door opener button • 15 V DC input (+, -) |
| Weather-proof | Yes, IP65 |
| Approvals | CE, IC, FCC, RoHS, IP65 |
| 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 | <ul style="list-style-type: none"> 1 x Main Electrical Unit 1 x Front panel 1 x Mounting housing (backbox) 1 x Power supply unit (mains adaptor) with four country-specific adaptors (110 - 240 V AC to 15 V DC) 1 x RFID key fob 1 x RFID card 1 x Small parts 1 x Installation manual |
| EAN | 4260423860452 |
| Warranty | see www.doorbird.com/warranty |

CURRENT SYSTEM REQUIREMENTS

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|---------------------------------|--|
| System requirements | <p>Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet</p> <p>Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fiber optic, no socks or proxy server</p> <p>Network: Ethernet Network, with DHCP</p> |
| Recommended installation height | Camera lens should be at a min. height of 125 cm (49 in) |

VIDEO

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|--------------|--|
| Camera | HDTV 720p, dynamic (VGA - HDTV) |
| Lens | High-end ultra wide-angle hemispheric lens 180° horizontal, 90° vertical, straightened, IR-capable |
| Night-vision | Yes, light sensor, automatic IR-cut filter, 12 IR-LEDs (850 nm) |

AUDIO

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| Audio components | Speaker and microphone, echo and noise cancellation (AEC, ANR) |
| Audio streaming | Two-way, full duplex |

NETWORK

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| Ethernet | RJ45 jack, PoE 802.3af Mode-A |
|----------|-------------------------------|

MOTION SENSOR

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|-----------------|---|
| Type | Active |
| Detection angle | 110° |
| Range | <p>1 - 10 m (3.3 - 32.9 ft), depends on environment, configurable in 1 m (3.3 ft) steps.</p> <p>If a "Display Module" is connected to the Main electrical unit, the range is limited to 1 m (3.3 ft).</p> |
| Technology | 4D. Based on multiple integrated sensors and algorithms, e.g. Radio Frequency Energy (RFE) |
| Configuration | <p>Via App, e.g.</p> <ul style="list-style-type: none"> • 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

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|-----------------|--|
| Type | Active Reader Passive Tag (ARPT) system |
| Standard | ISO/IEC 18000-2:2009 Part 2 |
| Frequency | 125 KHz |
| Range | 0 - 3 cm, depends on environment |
| Antenna | Internal |
| Compatible Tags | Sold separately, see www.doorbird.com/buy |
| Configuration | <p>Via App, e.g.</p> <ul style="list-style-type: none"> • Tag (add, delete) • Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification) • Individual schedules |

INTEGRATED WIRELESS MODULES

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|--------|-------------------------|
| RFID | 125 KHz |
| Sensor | 26 GHz, can be disabled |

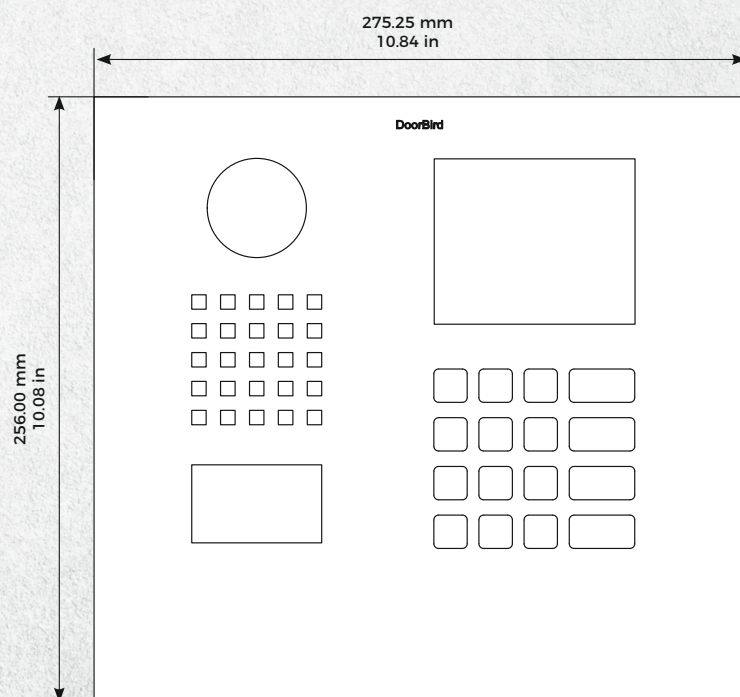
OPTIONAL ACCESSORIES

| | |
|-----------------|--|
| Sold separately | see www.doorbird.com/buy |
|-----------------|--|

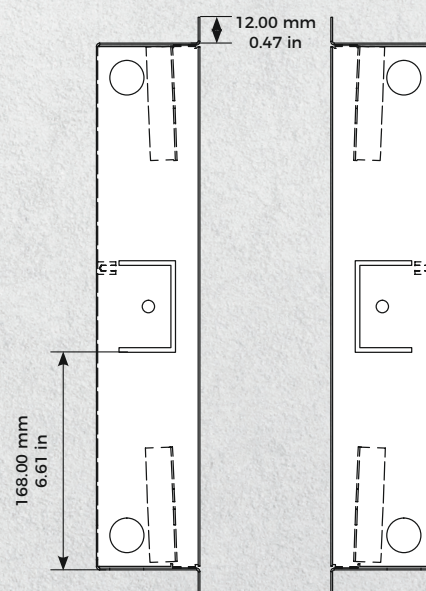
Special remarks:
Assembly requires professional skills or a technician.



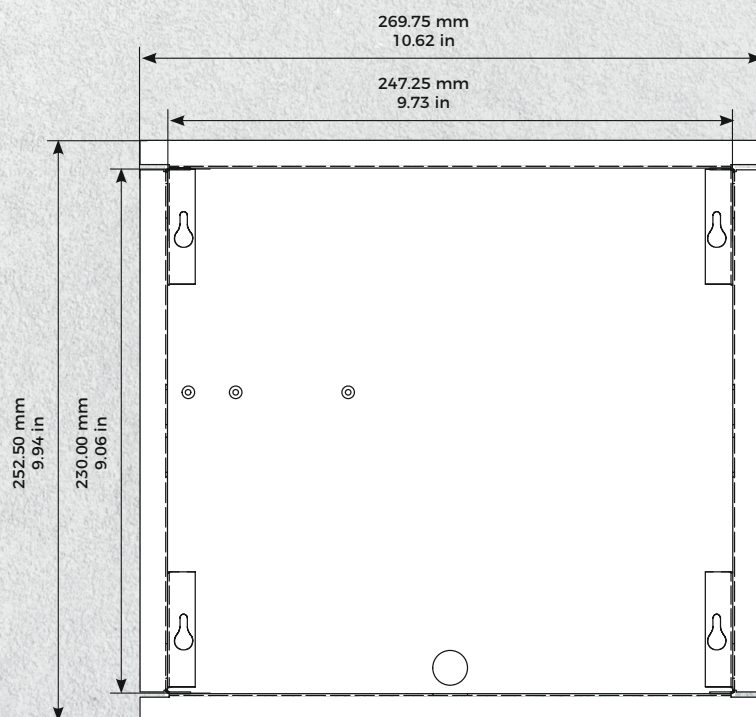
Front panel material thickness: 3.0 mm (0.12 in)



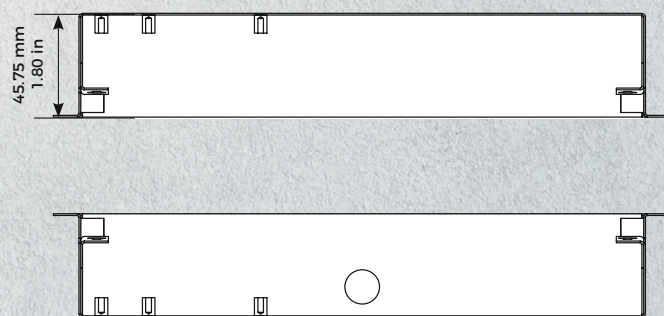
Front panel



Mounting housing



Mounting housing



Mounting housing