



**DoorBird**  
Technology meets Design.



**D2101KH**

## IP VIDEO DOOR STATION

For single-family houses and commercial buildings with 1 unit  
Keypad Module • Info Module • 1 Call Button

**AE SYSTEMS**  
Oeverstraat 19  
9160 Lokeren (Belgium)  
Tel. +32 (0)9 356 00 51  
info@aesystems.be  
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## GENERAL

Front panel	3 mm (0.12 in) Available in brushed stainless steel V2A / V4A and with Bronze-Finish, V4A
Mounting housing (backbox)	Stainless steel
Mounting type	Flush-mounted, surface-mounting housing sold separately
Power supply	15 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Call button	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> </ul>
Weight	3043 g
Connectors	<ul style="list-style-type: none"> <li>• RJ45, for LAN/PoE</li> <li>• Bi-stable latching relay #1, max. 1-24 V DC/V AC, 1 Ampere, e.g. for electric door opener</li> <li>• Bi-stable latching relay #2, max. 1-24 V DC/V AC, 1 Ampere, e.g. for electric door opener</li> <li>• Switch relays, max. 1-24 V DC / V AC, 1 ampere, e.g. for conventional door chimes</li> <li>• External input for external door opener button (potential-free)</li> <li>• 15 V DC input (+, -), max. 15 W</li> </ul>
Weather-proof	Yes, IP65
Approvals	CE, IC, FCC, RoHS, IP65, IK08
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 (noncondensing)
Scope of delivery	<ul style="list-style-type: none"> <li>1x Main Electrical Unit</li> <li>1x Front panel</li> <li>1x Illuminated Info Module</li> <li>1x Engravable panel for info module, stainless steel</li> <li>1x Nameplate for 1 call button, stainless steel, bell symbol</li> <li>1x Nameplate for 1 call button, plastic, transparent</li> <li>1x Flush-mounting housing (backbox)</li> <li>1x Power supply unit (mains adaptor) with four country-specific adaptors (110 - 240 V AC to 15 V DC)</li> <li>1x RFID key fob</li> <li>1x Screwdriver</li> <li>1x Quickstart guide with Digital Passport</li> <li>1x Installation manual</li> <li>1x Small parts</li> </ul>
Warranty	see <a href="http://www.doorbird.com/warranty">www.doorbird.com/warranty</a>

## CURRENT SYSTEM REQUIREMENTS

System requirements	Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet
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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° horizontal, 90° vertical, straightened, IR-capable
Night vision	Yes, light sensor, automatic IR-cut filter, 12 IR-LEDs (850 nm)

## AUDIO

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

## NETWORK

Ethernet	RJ45 jack, PoE 802.3af Mode-A
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## MOTION SENSOR

Type	Active
Detection angle	54° horizontal, 70° vertical
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	<p>Via App, e.g.</p> <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	<p>Up to 100 tags manageable</p> <p>Via App, e.g.</p> <ul style="list-style-type: none"> <li>• Tag (add, delete)</li> <li>• Individual events (e.g. switch a relay, push notification, SIP call [audio/video], HTTP(s) notification)</li> <li>• Individual schedules</li> </ul>

## INTEGRATED WIRELESS MODULES

RFID	125 KHz
Sensor	24 GHz, can be disabled

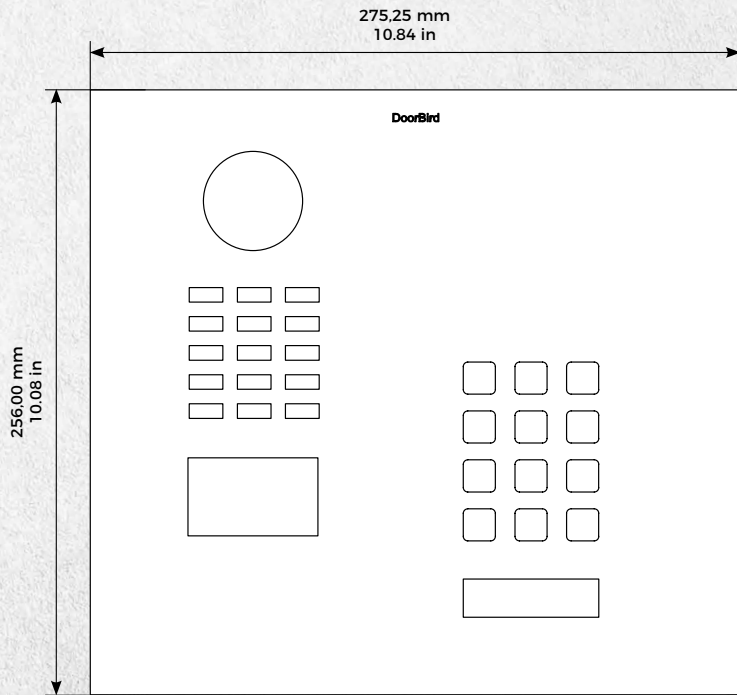
## OPTIONAL ACCESSORIES

Sold separately	see <a href="http://www.doorbird.com/buy">www.doorbird.com/buy</a>
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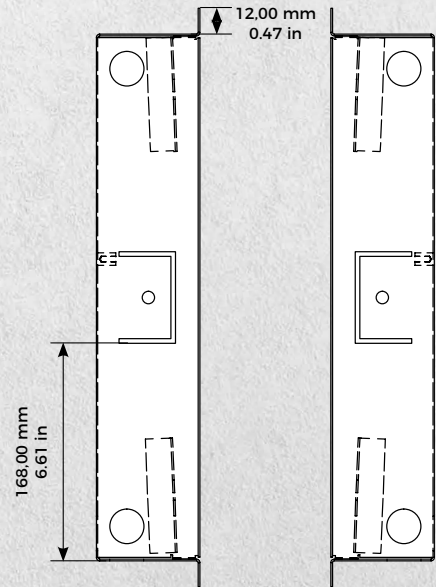
Special remarks:  
Assembly requires professional skills or a technician.



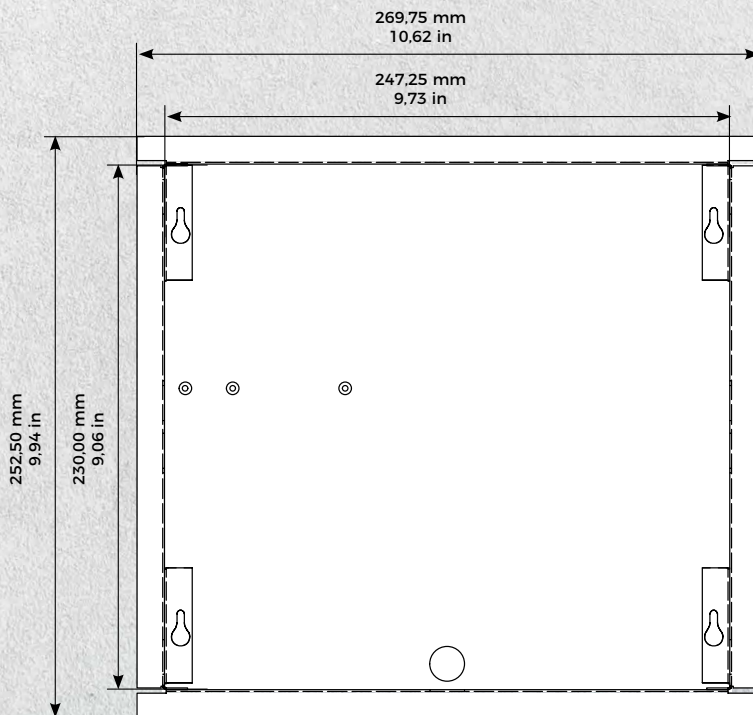
Front panel material thickness: 3.0 mm (0.12 in)



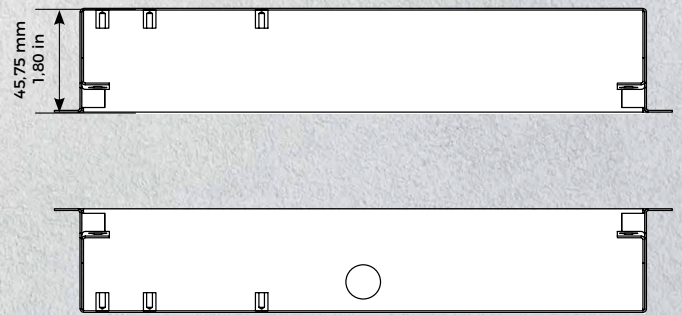
Frontpanel



Flush-mounting housing (backbox)



Flush-mounting housing (backbox)



Flush-mounting housing (backbox)