DoorBird
Technology meets Design.

D21DKV

IP VIDEO DOOR STATION

Brushed Stainless Steel · Display Module · Keypad Module

Designed, developed and made in Germany

TECHNICAL SPECIFICATIONS

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GENERAL	
Front panel	Brushed stainless steel, 3 mm (0.12 in)
Mounting housing (backbox)	Stainless steel
Mounting type	Flush-mounted, surface-mounting housing sold separately
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	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	2608 g
Connectors	• 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 • External input (potential-free), for external door opener button • 15 V DC input (+, -)
Weather-proof	Yes, IP65
Approvals	CE, IC, FCC, RoHS, IP65, IK08
Dimensions	402 x 156 x 48.75 mm (H x W x D) 15.83 x 6.14 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	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 Small parts 1 x Installation manual
EAN	4260423860445
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 125 cm (49 in)

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

MOTION SENSOR	
Type	Active
Detection angle	110˚
Range	1 - 10 m (3.3 - 32.9 ft), depends on environment, configurable in 1 m (3.3 ft) steps. If a “Display Module“ is connected to the Main electrical unit, the range is limited to 1 m (3.3 ft).
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

RFID	
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 Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy
Configuration	Via App, e.g. • Tag (add, delete) • Individual events (e.g. switch a relay, push notification, SIP call [audio/ video], HTTP(s) notification) • Individual schedules

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

OPTIONAL ACCESSORIES	
Sold separately	see www.doorbird.com/buy

Special remarks:
Assembly requires professional skills or a technician.

Errors and omissions excepted. | Stand 04.08.2017 - Copyright © 2017 Bird Home Automation GmbH – www.doorbird.com

TECHNICAL DRAWINGS

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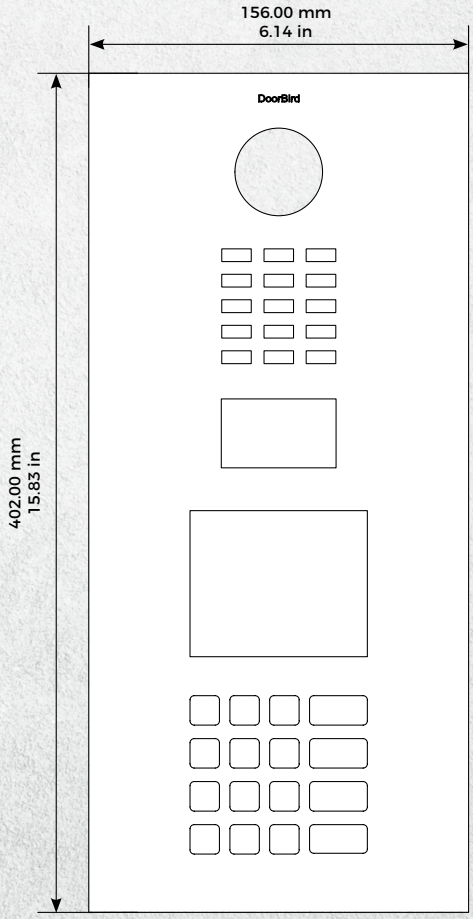
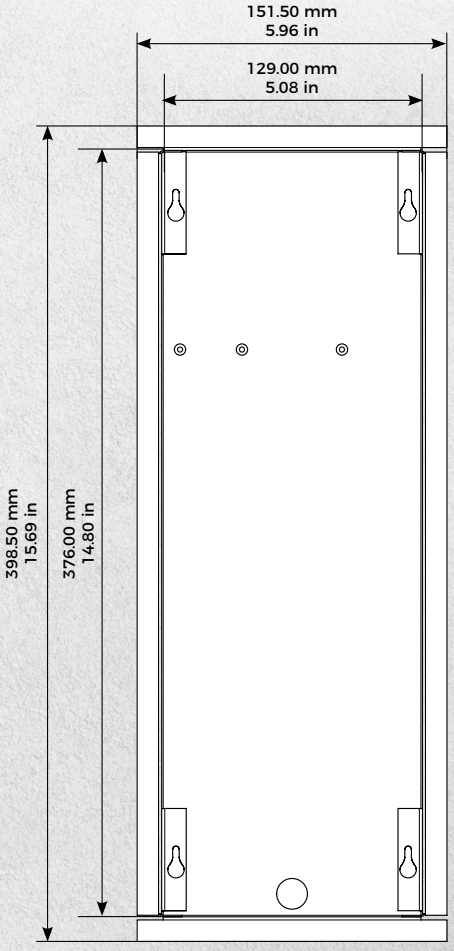
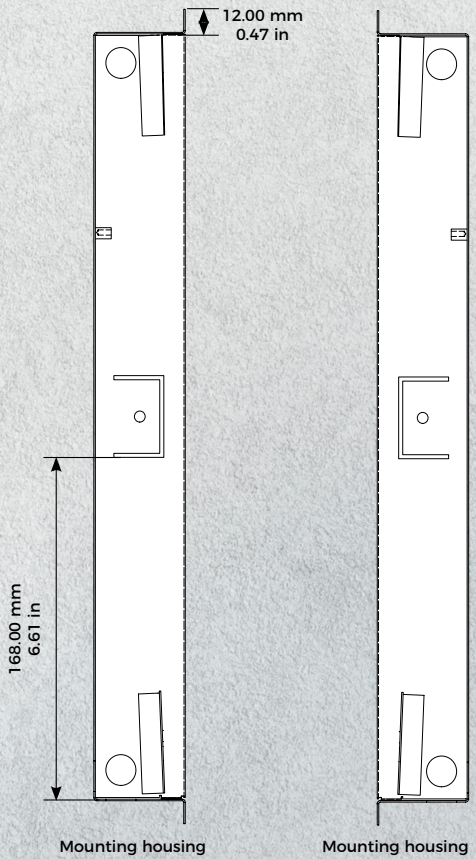
Front panel material thickness: 3.0 mm (0.12 in)



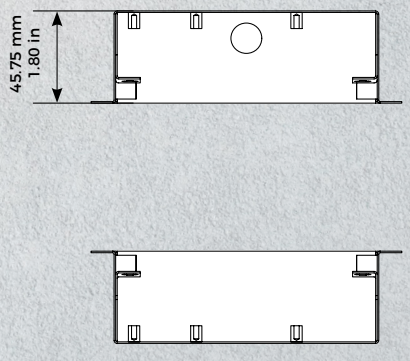
Front panel



Mounting housing



Mounting housing Mounting housing



Mounting housing

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