DoorBird IP video door intercom D3100E for integration purposes - Engineering Edition

Product number 1298-D3100E



Product description

DoorBird IP video door station D3100E Engineering Edition for integration purposes

The DoorBird IP video door station D3100E Engineering Edition is intended for integration into bespoke front panels, mailbox systems, doorbell panels and special constructions. It combines modern IP door communication with full-HD video, two-way audio, access control, a 4D motion sensor, Wiegand interface and two freely configurable bistable relays.

The LAN connection supports PoE+, allowing network data and power to be transmitted over a single Ethernet cable. Alternatively, power can be supplied via 57 V DC. For installations with existing two-wire cabling, a suitable DoorBird 2-wire Ethernet PoE+ converter can be used.

For bespoke mailbox systems and door stations

The Engineering Edition is specifically designed for integration purposes. Call buttons and hardware extension modules are available separately. Multi-tenant support as well as drivers for hardware extension modules such as multi-participant modules, keypads with 12 or 16 keys, displays, fingerprint readers and call buttons enable tailored planning for residential buildings, multi-tenant properties and commercial entrance areas.

Access control with RFID, QR code and Bluetooth

For access control, an integrated 13.56 MHz RFID reader, a QR code reader and Bluetooth Low Energy are provided. Access rights, schedules and events can be configured individually via the DoorBird app. The Wiegand interface additionally allows output of keypad and RFID data for integration into compatible access control systems.

Accessible communication and flexible integration

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The integrated accessibility module supports status indicators, acoustic signals when the call button is pressed and a hearing loop for wireless transmission of the audio signal to compatible hearing aids. When installed correctly, the door station can support accessibility requirements for building regulations.

Technical data

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Product	DoorBird IP video door station D3100E Engineering Edition
Version	Engineering Edition for integration purposes
Application	Integration into bespoke front panels, mailbox systems, doorbell panels and special constructions
Power supply	57 V DC, max. 15 W, or PoE+ according to IEEE 802.3at
Operating conditions	-25 °C to +55 °C Relative humidity 10 % to 85 % RH, non?condensing
Camera	HDTV 1080p, dynamic from VGA to HDTV
Image sensor	Sony Starvis image sensor with Full HD
Lens	High?end ultra?wide angle, hemispherical, 180° diagonal, 150° horizontal, 82° vertical, dewarped, IR capable
Night vision	Light sensor, automatic IR?cut filter, infrared LEDs at 850 nm
Audio	Speaker and microphone Echo and noise suppression, AEC and ANR Two?way audio, full duplex
Ethernet	RJ45 socket, PoE+ IEEE 802.3at, 10/100 Base?T
Supported protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP, ARP, SIP, DTMF, STM
Interfaces	RJ45 for LAN/PoE+ 2 x bistable relays, max. 24 V DC / AC, 1 A External input, e.g. for door opener button Wiegand interface 48 - 57 V DC input (+, -), 1 A 2 x call button connections 1 x module port for keypad or fingerprint 1 x USB Type?C module port for touch display
Relays	2 x freely configurable bistable relays, e.g. for electric door openers, gates or other switching functions
Relay expansion	Expansion or remote switching possible via DoorBird IP I/O Door Controller
Motion sensor	Active 4D motion sensor Detection angle 80° horizontal, 50° vertical Range 1 - 6 m, depending on environment, configurable in 1?m increments
Motion sensor configuration	Range Direction of travel: approaching, departing or both Custom events, e.g. switch relays, push notification, SIP call or HTTP(s) notification Custom schedules
RFID reader	13.56 MHz Active Reader Passive Tag System, ARPT ISO 14443A, MIFARE® Classic®, MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, NFC Range 0 - 3 cm, depending on environment Up to 1,000 tags can be managed
RFID configuration	Management via app Add and remove tags Custom events and schedules RFID accesses from the last 60 minutes viewable in the app
QR code reader	Configurable via app, for individual QR codes for access control
Bluetooth	Bluetooth Low Energy, compatible with DoorBird Bluetooth keyfob remote control A8007, compatible external sensors and smart locks

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Wiegand	Protocols 26, 30, 31, 34 and 44 bit Direction: output for keypad and RFID reader Maximum cable length 150 m Galvanic isolation of the Wiegand output signals
Integrated radio modules	Bluetooth Low Energy RFID 13.56 MHz 24 GHz sensor, deactivatable
Accessibility module	Status indicator Acoustic signal when the call button is pressed Hearing loop for wireless transmission of the audio signal to compatible hearing aids Pictograms for calling, speaking and opening the door via display
IP features	Video and audio call to smartphone, tablet or landline phone via SIP Open API for third?party and SIP integration Smart Transmission Mode, STM Visitor history with free image storage, optional video recording available Automatic door opener Geofencing Smart home and NVR integration
Simultaneous video streams	One stream for event?based recording
Approvals	CE, FCC, IC, RoHS, REACH, WEEE, IEC/EN 62368, IEC/EN 62471
Recommended mounting height	Camera lens at least 145 cm; the optimal mounting height should be checked on a case?by?case basis before installation
System requirements	Mobile device with current iOS or Android High?speed fixed broadband connection via DSL, cable or fibre No SOCKS or proxy server Ethernet network with DHCP
Weight	360 g
EAN	4251489600069
Manufacturer's article number	429600069
Contents of delivery	1 x electrical main unit 1 x RFID keyfob 1 x Digital Passport 1 x installation manual 1 x small parts
Optional accessories	DoorBird Touch Display Module 7.0?inch DoorBird 2?wire Ethernet PoE+ Converter A1072 DoorBird IP I/O Door Controller A1081 DoorBird IP video indoor stations DoorBird fingerprint reader module 50 DoorBird Bluetooth keyfob remote control A8007 Call buttons and compatible hardware extension modules, available separately

Notes

- The DoorBird D3100E is an Engineering Edition intended for integration purposes and is supplied without call buttons and without hardware extension modules.
- Call buttons, multi-tenant support and drivers for hardware extension modules are available separately.
- For mounting in custom front panels, the DoorBird notes and technical drawings must be observed to preserve warranty entitlement.
- For bespoke front panels, mailbox systems and doorbell panels, professional planning of the installation position, cable routing, drainage and ventilation is required.
- Installation must be carried out by a qualified electrician.

Dimensions

Width in mm	118
Height in mm	185
Total width in mm	118
Depth in mm	49.1
Weight in kg	0.36

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More images




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