

OD22 TD CM

High-end outdoor communication kiosk -
Free standing or wall mounted



Weather-
proof
IP54

IK07

Impact-
proof

Modular
functionality

22.1" touch
display

Contactless
calling

Powerful solution for outdoor areas

Touch display equipped communication stations by Commend are suitable for any type of application requiring intuitive, yet precise user interaction.

The graphical user interface can be adjusted to suit the user's requirements. Options range from advertising with images and videos as well as interactive content to allow for wayfinding. High-performance processors turn the od22 TD CM into a communication powerhouse. With a dedicated emergency mode feature-set, the communication kiosk transforms from everyday use into an emergency station for managing crises events. This also means you will be perfectly prepared to meet the upcoming standards – such as EN 62820-2 – the standard for Advanced Security Building Intercom Systems (ASBIS).

These high-end communication kiosks are crafted using high-quality materials. Thanks to their sleek and stylish look, they are suited for countless applications.

Features and highlights

- Suitable for indoor and outdoor use
- Tampered front glass
- Innovative sound concept with two lateral loudspeakers and two microphones
- Crystal-clear sound with up to 20 kHz speech quality and high volume
- Durable and resistant to wind and weather thanks to high-quality components and IP54 rating
- Robust, daylight-ready 22.1 touch display with brilliant colour reproduction
- Windows-based PC for running a wide range of applications
- High-resolution wide view angle video camera
- Free standing and wall mount kits available
- OpenDuplex® for natural, hands-free communication with high-volume
- Permanent line and function testing
- 3 digital inputs for floating contacts and 1 relay output (expandable)
- Motion detection for triggering action sequences

Key Benefits at a Glance

Its megapixel video camera ensures a picture-perfect viewing angle – both day and night. It can even capture persons who are not at eye-level with the camera unit.

The robust and very bright 22" touch display provides a clean overview and looks good from any position, thanks to its excellent viewing angle.

A real power pack with extensive feature set, the built in high spec computer allows for a wide array of software applications meaning that the od22 can suit any desired situation.



The robust design, together with the high-quality technical components and IP54 rating ensure a long product life under outdoor conditions.

Up to 20 kHz speech quality and OpenDuplex® for natural hands-free communication with high volume capacity.

A fully glass front means that the od22 is extremely easy to clean.

Two contactless call buttons allow for completely touchless communication.

In addition to the two loudspeakers, two concealed microphones ensure high audio quality and perfectly clear speech intelligibility.

Accessories and Options

Safety switch box IP Secure Connector

The IP Secure Connector provides high performance and high, absolute security, even if the connected Intercom station is located outdoors: If an unauthorised attempt is made to remove the Intercom station, e.g. to access the connected Ethernet cable, the IP Secure Connector interrupts the connection to Intercom station and LAN. This ensures that it is neither possible to access the network nor to open a door or gate.



Induction loop kit AFIL-USB

With the AFIL-USB, an Intercom station can easily and quickly be equipped with an induction loop amplifier module. For this, only a free USB jack is required at the station. Thanks to its compact size, the AFIL-USB fits easily into a flush or surface mounting box.



Expansion module EB3E2A-AUD

The EB3E2A-AUD expansion module provides an easy way to expand the I/O and audio capabilities of an Intercom station. The expansion module is suitable for any applications where inputs and outputs are required. It has three inputs, two output replays and ports for direct connection of an external loudspeaker, external microphones and handset. Line-in and line-out connectors provide additional flexibility. The board can be connected to the station PCB through a USB cable and is immediately available in the system.



USB output module EB1A

With the USB output module EB1A, a base module can be expanded with a replay output (normally open contact). The EB1A can be connected to a free USB port. By doing this, a floating, galvanically-isolated output contact is available immediately - e.g. for use with a door opener.



Power injector PA 25W POE-DC

In applications where PoE sourcing equipment is not available, the optional power injector PA 25W POE-DC offers a compact, convenient solution. It supports a wide DC input range (24-48V) and is IEEE 802.3af/at compliant. The power injector connects easily and conveniently to an Intercom station through an Ethernet cable.



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Technical Specifications

Technical data communication kiosk

IP rating:	IP54 (acc. EN 60529)
Mechanical impact resistance/IK Rating:	IK07
Front panel:	toughened glass - 10 Point PCAP
Microphone:	two microphones
Loudspeaker:	special membrane type for optimal sound quality, 2x8 Ω
Amplifier:	integrated class-D amplifier with 15 W
Sound pressure level:	max.99dB
Display:	22" touch display (IPS-TFT) resolution: 16:9 1080 x 1920 pixels luminance: typ. 1500 cd/m ²
Inputs	3 digital inputs for floating contacts
Outputs	1 replay output max. switching voltage: 60 VDC, 30 VA max. switching current (per output): 2 A max. switching power (per output): 60W (DC), 37.5 VA (AC) expected electrical life: min. 105 (30 VDC/2 A), min. 2x 105 (3- VDC/1 A)
IT Security	SIP via TLS, SRTP, IEEE 802.1X, MJPEG via HTTPS, HTTPS for accessing interface and interfaces.
Protocols	IPv4, IPv6, TLS, TCP, UDP, HTTP (RFC 2617, RFC 3310), HTTPS (RFC 2818), RTP (RFC 3550), 802.1x EAP-TLS (RFC 5216), 802.1x EAP-MD5 (RFC 2284), RTCP, RTSP (RFC 2326), DHCP, DHCPv6, SDP (RFC 2327, RFC 4566), SSDP, SIP (RFC 3261), SIP over TLS, SNMPv2c, STUN (classicstun), SMTP, DTMF Decoding (RFC 2976, RFC 2833, SIP Info), ICMPv6 (Router discovery), MQTT (ISO/IEC 20922)
Operating temperature range	-10 °C to +50 °C (-40 °F to +158 °F)
Storage temperature range	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	up to 95%, not condensing
Power supply	PoE+: IEEE 802.3at/Class 4
Power consumption	idle: typ. 3.5 W (standalone) max.: typ. 25 W

Core Components

PC	Processor :	Intel® Core™ i3-10100T
	Storage :	128GB
	RAM :	4GB
	OS :	Windows 10 IoT
Touchscreen (22")	Screen :	22" 16:9 1080 x 1920 1500cd 10 Point PCAP (Toughened Glass)
Chassis	Colour :	Glass - RAL9016, Metal - RAL7012
	Material :	Powder coated zinc rich primer) mild steel and stainless steel
	Fixing :	Floor anchor or wall-mounted
	Security :	Two independent locking points
Power	Specification:	120v - 250v, Frequency 50-60Hz, 2A (Auto Ranging)
	Connectivity:	Power and data can be fed from the floor or wall



Technical data camera

Image sensor	1/2.5 in RGB CMOS
Lens	F2.2, fixed aperture, 150° diagonal angle, 145° horizontal angle, 123° vertical angle
Resolution (W X H)	max. 1920 x 1080 pixels
Frame rate	up to 30 fps
Video features	codecs: H.264 (SIP video and ONVIF), MJPEG (HTTP video and ONVIF) and RTSP ONVIF specification: ONVIF Profile S
Operating temperature range	-20 °C to +70 °C (-4 °F to +158 °F)
Storage temperature range	-40 °C to +70 °C (-40 °F to +158 °F)
Approvals and compliances	EN 61000-6-2, EN 61000-6-4, EN 55032 Class A, EN 55024, EN 55035, EN 62368-1 FCC Part 15 Class A, ICES-003 Class A

Optional Components

Dimensions	Standing - 1590mm x 408mm x 253 mm
	Wall Mounted - 800mm x 408mm x 171mm
Weight	Head Unit - 34kg
	Leg - 29kg
	Wall Mount 6.5kg

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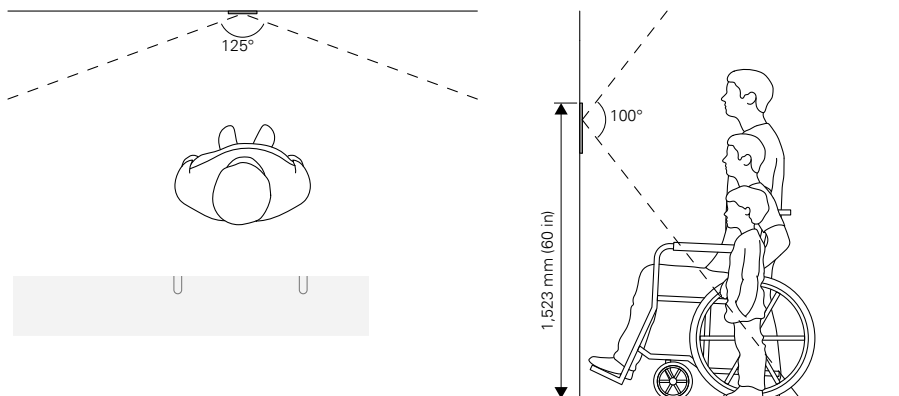
Installation Instructions

Safety instructions

- This Intercom station shall be installed or replaced by trained and qualified personnel only.
- Observe the country-specific standards for installation, mounting and configuration.
- Only use Commend accessories that comply with the Intercom station's technical specifications.
- The front of the Intercom station is made of glass. Do not use the Inter-com station when the glass is damaged.
- All connected circuits shall fulfil the following requirements:
 - Safety Extra Low Voltage (SELV) and Limited Power Source (LPS) according to IEC/EN 60950-1 or
 - ES1, PS2 circuits and Annex Q (Limited Power Source) according to IEC/EN/UL 62368-1
- Disconnect the Ethernet cable for any maintenance of the device.
- Do not make any modifications to the Intercom station.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

Recommended mounting position

The camera mounted inside the communication station is approx. 1,523 mm (60 in) from the finished floor.



NOTE: Accessibility

- To provide barrier-free accessibility, it is recommended to mount the Intercom station with sufficient distance to walls or corners.
- When mounting the Intercom station, pay attention to the correct camera angle in terms of accessibility, so that wheelchair users and children can be detected by the camera: 135° (vertically) x 145° (horizontally).

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Testing

Tested to the following standards:-

IEC62368-1 :2018	2018	Audio/video, information and communication technology equipment. Safety requirements
Following the provisions of EU Low Voltage Directive 2014/35/EU		
EN55032, Class A	2015 + A1:2020	Emissions Standard for Multimedia Equipment
ETSI EN 301 489-1 V2.2.1	2019	Emissions Standard for Radio Equipment and Services
EN61000-3-2	2019	Harmonic Current Fluctuations
EN61000-3-3	2013 + A1:2019	Voltage Fluctuation and Flicker
EN55035	2017 + A1 1: 2020	Immunity Standard for Multimedia Equipment
ETSI EN 301 489-1 V2.2.1	2019	Immunity Standard for Radio Equipment and Services
EN61000-4-2	2009	ESD Requirements
EN61000-4-3	2006 + A1 + A2	Radiated Susceptibility
EN61000-4-4	2012	Electrical Fast Transient Burst Requirement
EN61000-4-5	2014	Surges Requirements
EN61000-4-6	2014	Conducted Susceptibility
EN61000-4-11	2004	Voltage Dips and Interruptions

Following the provisions of EU EMC Directive 2014/30/EU and UK Electromagnetic Compatibility Regulations 2016.



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Dimensions

