1008510101

ZDD-1 | Video Intercom with Display

Zenitel Display Building Intercom

- Advanced Audio Technology – High sound pressure levels, automatic volume gain control, and active noise and echo cancellation for superior clarity.
- HD Video Quality – Supports up to 1080p resolution for crisp and detailed visuals.
- Wide-Angle Lens – Ensures a broad field of view for optimal coverage.
- 7” TFT LCD Touch Display– Intuitive and high-resolution touchscreen interface.
- Weather-Resistant (IP66) & Robust (IK08)
- Seamless Integration – Fully compatible with Zenitel Connect Pro, IC-EDGE, and SIP-based systems.

Zenitel Connect | Video Intercom | Door Intercom | SIP | ONVIF Conformant | UL Certified Intercom | IC-Edge

IP66 | IK08

Description

Building Intercom Built for Corporate Environments

ZDD-1 is a touch display video intercom perfect for multi-tenant corporate buildings. This corporate building intercom combines a sleek, low-profile design with a high-resolution touchscreen for an intuitive user experience. Engineered with Zenitel’s renowned durability, the building intercom offers flexible mounting options, making it ideal for a wide range of spaces and environments. Thoughtfully positioned microphones and speakers ensure crystal-clear communication in any setting.

Built on Zenitel’s legacy of audio excellence, the ZDD-1 integrates cutting-edge technology to deliver superior sound quality. Key features include HD voice, Open Duplex, Active Noise Cancellation, four digital MEMS omnidirectional microphones, and a 4 x 4W Class D smart amplifier for optimal audio performance.

The ZDD-1 also features advanced camera technology, offering a wide field of view (FoV) HD video, Digital PTZ, and support for MJPEG and H.264.

With over 70 years of expertise in critical communication, Zenitel continues to set the industry standard, delivering exceptional audio and video quality in every product.

- ONVIF Conformant
- Cybersecurity compliant

See Zenitel Wiki for more information

Technical Dimensions

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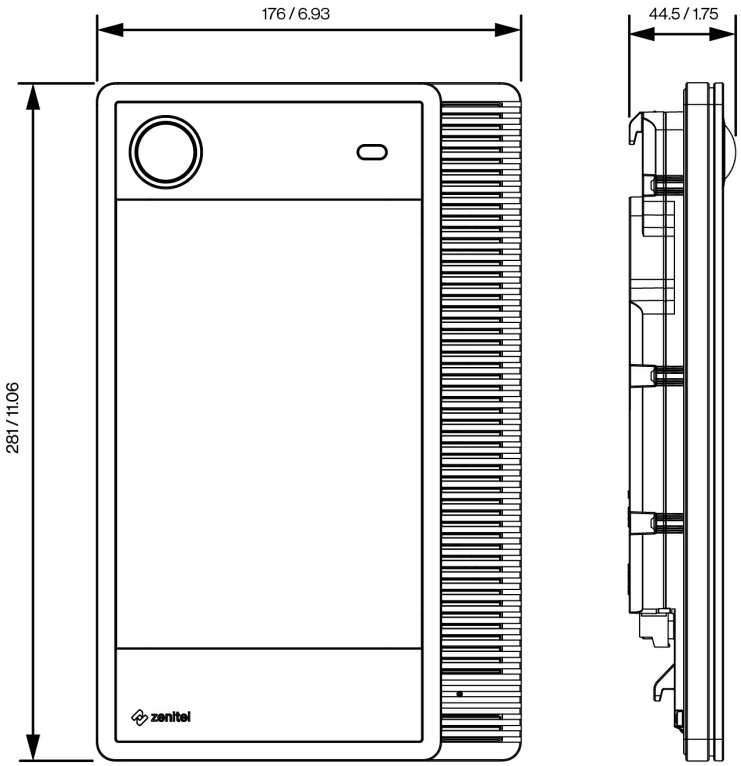

All dimensions in mm / in

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Specifications

AUDIO	
SPL peak power	100 dB @ 0.5m
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz - 7000 Hz
Audio technology:	Full open duplex, switched open duplex
	Sound level detection (scream alarm)
	Automatic gain control
	Automatic volume control (AVC)
	Noise cancellation
Internal speaker amplifier	4 x 4W Class D smart amplifier
Internal speaker	4 x 4W
Microphone technology	4 x digital MEMS, omnidirectional microphones

VIDEO	
Image Sensor	1/2.5" RGB CMOS
Lens	F 2.2, fixed iris
Light Sensitivity	Down to 1 lux
Resolution	1080p (4:3)
Frame Rate	Up to 30 FPS in 1440x1080p (30 FPS is only supported in H.264 mode, while MJPEG is limited to 10 FPS)
Supported Codecs	MJPEG, H.264
Digital PTZ	Yes
Digital Zoom	Up to 4x
Field of View	146° horizontal 109° vertical 180° diagonal

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NETWORKING AND PROTOCOLS

Protocols	SIP, SIPS, HTTP, HTTPS, TFTP, RTP, SRTP, RTCP, RTSP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery
IP Versions	IPv4 & IPv6
LAN protocols	Power over Ethernet (IEEE 802.3 bt) Network Access Control (IEEE 802.1x)
Advanced supervision functions	Keep alive test, tone test, status reports
SIP support:	RFC 3261 (SIP base standard), RFC 3515 (SIP refer), RFC 2976 (SIP info)
DTMF support	RFC 2833, 2976 (SIP info)
Integration and API	Connected to ICX-AlphaCom through AlphaCom protocol ACDP
	Connected to Zenitel Connect Pro though Zenitel Link
	ONVIF

HARDWARE

Ethernet connector	2 x RJ45
All other connectors	Tool less, spring loaded, vibration proof terminals
General input and outputs (I/O)	3 (configurable)
Outputs	12mA as LED drivers
Change-over relay (NO+NC+COM)	SELV, 2A, 60W
Power option	PoE++
PoE (Power over Ethernet)	802.3bt Type 3 Class 6 (51W)
Power consumption	In idle mode (full station) at 48V DC: 6.5W (0% backlight PWM). Maximum power consumption: 30W (100% backlight PWM and sound)
Display Technology	TFT LCD
Display Resolution	1280 x 768 pixels (WXGA)
Display Size	7.0 inch (diagonal)
Display Luminance	930 cd/m^2
Display View Angle	80° from all sides
Presence detection	Pulsed coherent radar sensor
Ambient light sensor	Yes

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CONSTRUCTION

Dimensions (HxWxD)	281 x 176 x 44.5 mm / 11.06" x 6.93" x 1.75"
Dimensions after flush mount	281 x 176 x 23.5 mm / 11.06" x 6.93" x 0.92"
Dimensions with on wall box	281 x 176 x 48.5 mm / 11.06" x 6.93" x 1.91"
Weight	1.7 kg / 3.75 lbs
Faceplate material	ASA, Glass
Base / frame material	Aluminium
Electronics cover material	ASA, PC
Gasket material	TPE, Silicone

ENVIRONMENTAL COMPLIANCE

IP Rating	IP66
IK Rating	IK08
Operating temperature range	-25° to 55° C / -13° to 131° F
Storage temperature range	-25° to 65° C / -13° to 149° F
Relative humidity	< 95% not condensing

APPROVALS

EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, FCC part 15
Safety	UL 62368-1, IEC 62368-1, IECEE CB
Sustainability	RoHS, REACH

Accessories

TA-35

ZDD-1 Onwall Backbox

Item Number: 1008140350

Used With

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ITSV-4

HD IP Video Phone with 5" Screen

Item Number: 1490004010

ITSV-5

HD IP Video Phone with 8" Screen

Item Number: 1490005010

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