

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.



## 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.

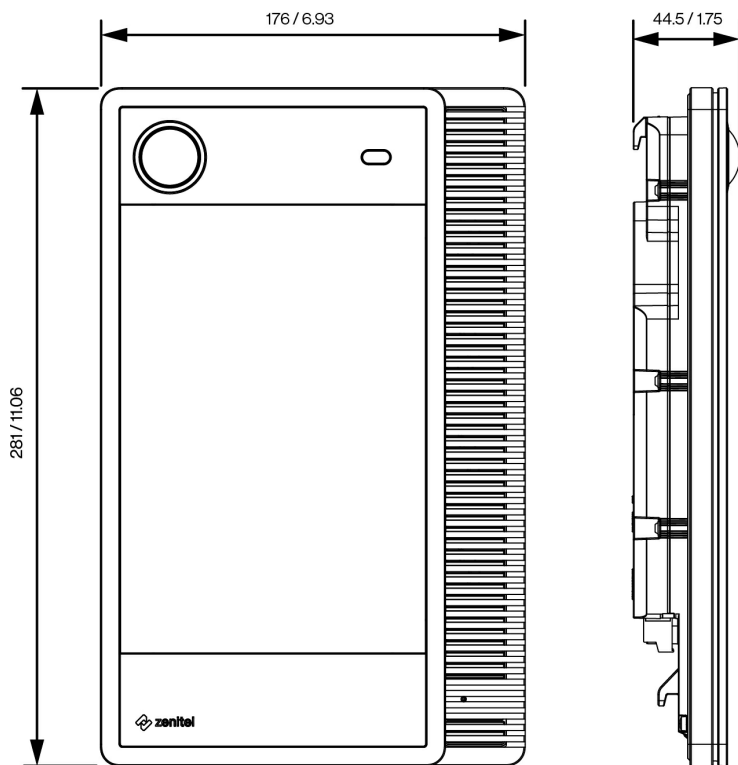
The ZDD-1 also features advanced camera technology, offering a wide field of view (FoV) HD video, Digital PTZ, and support for MJPEG and H.264.

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



All dimensions in mm / in

# 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                                                           |

## 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)<br>Network Access Control (IEEE 802.1x)                                         |
| Advanced supervision functions | Keep alive test, tone test, status reports                                                                          |
| SIP support:                   | RFC 3261 (SIP base standard),<br>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 through 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 (2A, 60W, SELV)                                                                                                           |
| Power option                    | PoE++                                                                                                                               |
| PoE (Power over Ethernet)       | 802.3bt Type 3 Class 6 (51W)                                                                                                        |
| Power consumption               | In idle mode (full station) at 48V DC:<br>6.5W (0% backlight PWM).<br>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 <sup>2</sup>                                                                                                               |
| Display View Angle              | 80° from all sides                                                                                                                  |
| Presence detection              | Pulsed coherent radar sensor                                                                                                        |
| Ambient light sensor            | Yes                                                                                                                                 |

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

Used With



ITSV-4

HD IP Video Phone with 5" Screen



ITSV-5

HD IP Video Phone with 8" Screen