

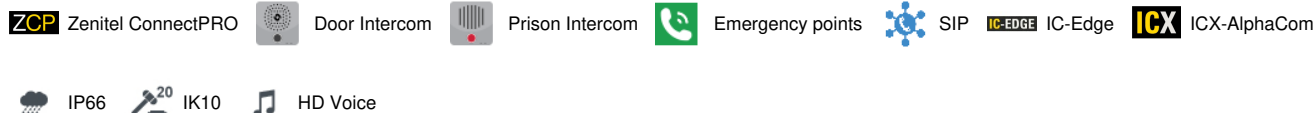
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## VR3G-1 | Vandal Resistant Audio Intercom

Vandal Resistant, 3 gang, 1 button IP and SIP Intercom



- ✓ Robust - Stainless steel front plate with one call button
- ✓ Advanced Audio Technology - High sound pressure levels, automatic volume gain control, and active noise and echo cancellation for superior clarity.
- ✓ Anti-ligature / tamper-resistant design: Tamper switch alarm, soft-rounded corners to reduce risk of self-harm or abuse.
- ✓ Weather-Resistant (IP66) & Robust (IK10)
- ✓ ONVIF Conformant - Seamless video and device integration
- ✓ Seamless Integration - Fully compatible with Zenitel Connect Pro, ICX-AlphaCom, IC-EDGE, and SIP-based systems.

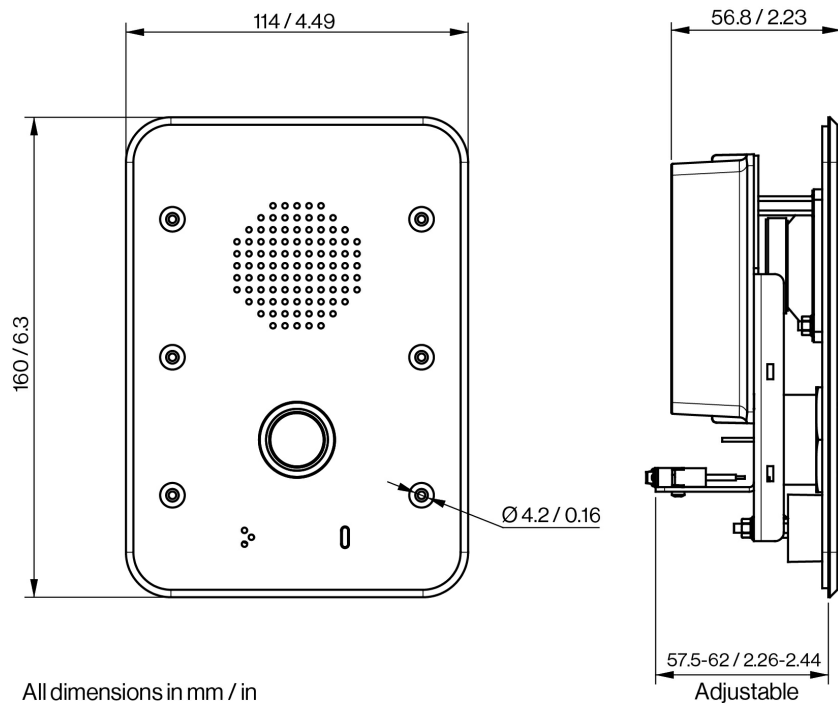


### Description

The Vandal Resistant Intercom Station VR3G-1 utilizes the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, and an Electret Omni Directional microphone. These features, in conjunction with the company's 70+ years of experience with acoustic technology, are just a few of the many factors that contribute to our superior audio quality.

[See Zenitel Wiki for more information](#)

### Technical Dimensions



# Specifications

## AUDIO

|                              |                                        |
|------------------------------|----------------------------------------|
| Max SPL @ 0.5m               | 86 dBA                                 |
| 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)         |
|                              | Acoustic Echo Cancellation (AEC)       |
|                              | Noise cancellation                     |
| Internal speaker             | 3 W                                    |
| Microphone technology        | Electret Omni Directional microphone   |

## NETWORKING & PROTOCOLS

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| Application 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 a-f) Network Access Control (IEEE 802.1x)                                           |
| 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 through Zenitel Link                                                               |
|                       | ONVIF                                                                                                               |

## HARDWARE

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Ethernet connector              | 1 x RJ-45                                            |
| General inputs and outputs      | 6 (configurable)                                     |
| Outputs                         | 12mA as LED drivers                                  |
| SELV (Safety Extra Low Voltage) | 2A, 60W                                              |
| Power options                   | PoE and/or external power supply                     |
| PoE (Power over Ethernet)       | IEEE 802.3af standard, Class 0<br>(0.44W to 12.95 W) |
| External power supply           | 24 - 48 VDC (24 – 48 V)                              |
| Power consumption               | Idle 1.8W, max 12W (depending on volume)             |
| Call indication                 | Icons/colors for hearing impaired                    |

## CONSTRUCTION

|                                                |                                                     |
|------------------------------------------------|-----------------------------------------------------|
| Dimensions (HxWxD)                             | 160 x 114 x 60 mm / 6.3" x 4.5" x 2.36"             |
| Dimensions after flush mount                   | 160 x 114 x 4 mm / 6.3" x 4.5" x 0.2"               |
| Weight                                         | 0.73 kg / 1.6 lbs.                                  |
| Faceplate material                             | A4 steel                                            |
| Electronics cover material                     | Polycarbonate (translucent)                         |
| Gasket material                                | Low density soft EPDM-foam<br>(closed cell), t:2mm. |
| Button material                                | A4 steel                                            |
| Poke protection, small/large diameter objects: | Ø1.8 mm                                             |

## ENVIRONMENTAL

|                             |                                 |
|-----------------------------|---------------------------------|
| IP rating                   | 66                              |
| IK rating                   | 10                              |
| Operating temperature range | -40° to 70° C / -40° to 158 ° F |
| Relative humidity           | < 95% not condensing            |

## APPROVALS

|                |                                         |
|----------------|-----------------------------------------|
| EMC            | EN 61000-6-1, EN 61000-6-3, FCC part 15 |
| Safety         | EN 62368-1                              |
| Sustainability | RoHS, REACH                             |

## OTHER SPECIFICATIONS

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Country of manufacture | Poland                                                                              |
| Warranty               | 2 Years standard warranty,<br>extendible up to total of 5 years<br>(additional fee) |

## Accessories



#### TA-37

3 Gang Flush Mount back box for VR3G  
Intercoms