

VR3G-1P Vandal resistant intercom Piezo self test

1008021015

## VR3G-1P

Vandal Resistant, 3 gang, 1 Piezo button, IP and SIP intercom

- ✓ Powerful audio technology, including high sound pressure, automatic gain control, and active noise echo canceling
- ✓ Vandal Resistant Design with IK10
- ✓ IP66 - Dirt, dust and water resistant
- ✓ Anti-ligature design
- ✓ Tamper switch
- ✓ Piezo Call Button with self-test capability
- ✓ Cybersecurity compliant
- ✓ Can operate in SIP, IC-EDGE, and ICX-AlphaCom mode



Door Intercom



Prison Intercom



Emergency points



SIP

**IC-EDGE**

IC-Edge



ICX-AlphaCom



IP66



IK10



HD Voice



Active Noise Cancelling

## Description

The Vandal Resistant Intercom Station VR3G-1P 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. The *Piezo* button has no moving parts, which makes it highly durable and increases the station's resistance to damage. 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

VR3G-1P Dimensions

# Specifications

## AUDIO

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise cancelling                 | Yes. Suppression of musical noise, suppression of static noise, suppression of rapidly changing noise                                                                                                                          |
| Codecs                           | G.711, G.722, G.729                                                                                                                                                                                                            |
| Frequency range, G.722 Codec     | 200 Hz – 7000 Hz                                                                                                                                                                                                               |
| Audio technology                 | Modes: Full open duplex, switched open duplex, Adaptive jitter filter, Local tone generator, Audio mixing - 3 channels, Sound level detection (scream alarm), Automatic gain control (microphone), Automatic volume adjustment |
| Internal speaker                 | 3 W                                                                                                                                                                                                                            |
| Microphone technology            | Electret Omni Directional microphone                                                                                                                                                                                           |
| Automatic Volume Control (AVC)   | Yes                                                                                                                                                                                                                            |
| Acoustic Echo Cancellation (AEC) | Yes                                                                                                                                                                                                                            |
| SPL peak power at 1m             | 80 dBA                                                                                                                                                                                                                         |
| Voice signal at 1m               | 68 dBA                                                                                                                                                                                                                         |

## HARDWARE

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| Ethernet connector                     | 1 x RJ-45                                           |
| All other connectors                   | Tool less, spring loaded, vibration proof terminals |
| General inputs and outputs             | 6 (configurable)                                    |
| Outputs                                | 12mA as LED drivers                                 |
| SELV (safety Extra Voltage)            | 2A, 60W                                             |
| Power options                          | PoE and/or external power supply                    |
| PoE (Power over Ethernet)              | IEEE 802.3af standard, Class 0 (0.44W to 12.95 W)   |
| Power consumption                      | Idle 1.8W, max 12W (depending on volume)            |
| External power supply                  | 24 - 48 VDC (24 – 48 V)                             |
| Audio line out / induction loop signal | 600 Ohm                                             |

**CONSTRUCTION**

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Dimensions (HxWxD)           | 160x114x60mm                                     |
| Dimensions after flush mount | 160x114x4mm                                      |
| Weight                       | 0.74kg                                           |
| Faceplate material           | A4 Steel                                         |
| Electronics cover material   | Polycarbonate (translucent)                      |
| Gasket material              | low density soft EPDM-foam (closed cell), t:2mm. |
| Button material              | aluminium                                        |
| Button travel length         | 0mm                                              |
| Button activation force      | 3-5N                                             |

**NETWORKING & PROTOCOLS**

|                                |                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Protocols                      | IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, DHCP, SNMP, ONVIF, CoIP®, NTP                                   |
| LAN protocols                  | Power over Ethernet (IEEE 802.3 a-f) Network Access Control (IEEE 802.1x)                                              |
| Management and operation       | HTTP/HTTPS (Web configuration) DHCP and static IP + IC-EDGE. Remote automatic software upgrade. Centralized monitoring |
| Advanced supervision functions | E.g. network 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)                                                                                              |

**ENVIRONMENTAL**

|                             |                                |
|-----------------------------|--------------------------------|
| IP rating                   | 66                             |
| IK rating                   | 10                             |
| Operating temperature range | -20° to 75° C / -4° to 167 ° F |
| Relative humidity           | < 95% not condensing           |

**OTHER SPECIFICATIONS**

|                                                |                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------|
| IP address information                         | Speaks IP address after system boot                                           |
| Poke protection, small/large diameter objects: | Ø1.8mm                                                                        |
| Country of manufacture                         | Poland                                                                        |
| Warranty                                       | 2 Years standard warranty, extendible up to total of 5 years (additional fee) |

**Accessories**



3 Gang Flush Mount back box