

### IP Horn Loudspeaker

Modell MDTR10TKIS2

#### Features

- IP Horn Loudspeaker with built-in IP electronics for public address and indoor use via VoIP (SIP)
- Ideal for announcements / sound in remote areas via network access
- ABS self-extinguishing housing, RAL7035, IP-66 protection, incl. V4A stainless steel swivel-tilt bracket
- Integrated 10 Watt Class-D amplifier
- > 110 dB SPL
- Excellent audio quality for music and voice transmissions
- Configuration via web interface (IP addresses, monitoring, VoIP statistics, software updates)
- PoE "Power over Ethernet" according to IEEE 802.3a-f class 0, "SparePairs" or "Phantom"
- Addressing and monitoring each individual IP speaker (Audio Sound Check via built-in microphone)
- Control contact and inputs for signaling or monitoring contacts optionally usable

#### Description

With the IP Horn Loudspeaker, it is possible to provide sound in areas where there is only one network connection without great installation effort. The power is supplied via PoE, so that no additional power supplies or other additional components are necessary.

The extended IP functionalities allow a location-independent control by a VOIP (SIP) telephone system or for security applications with CCoIP - Critical Communication over IP - the connection to an Alphacom control center. The IP speaker has an extensive configuration interface and powerful network management. Similarly, a microphone for the audio self-test of the speaker is installed. This self-test can be done automatically. The status indicator is an LED on the loudspeaker.

These features ensure durable, efficient and secure voice and data communications.



|                        |  |
|------------------------|--|
| Item number            | 000001   |
| Model                  | MDTR10TKIS2  |
| Dimensions (B x H x T) | 180 x 120 x 230 mm   |
| Assembly               | Swivel-tilt bracket made of stainless steel V4A  |
| Execution              | ABS self-extinguishing, light gray (RAL7035)   |
| Protection             | IP66   |
| System                 | VOIP (SIP) or Alphacom CCoIP   |
| Power supply           | PoE (Power over Ethernet), IEEE 802.3a-f, Class 0 (48V) SparePair oder Phantom<br>External power supply 24 VDC (16-48 V)   |
| Power consumption      | Idle 1.8 W, max. 12W   |
| SIP Unterstützung      | RFC 3261 (SIP Base Standard)<br>RFC 3515 (SIP Refer)<br>RFC 2976 (SIP Info)<br>DTMF-Unterstütz.: RFC 2833, 2976 (SIP-Info)   |
| Protokolle IP          | IP v4 (mit DiffServ), TCP, UDP, HTTPS, TFTP, RTP, RTCP, DHCP, SNMP, NTP, STENTOFON CCoIP®  |
| Protokolle LAN         | Power over Ethernet (IEEE 802.3 a-f), VLAN (IEEE 802.1pq), Network Access Control (IEEE 802.1x), STP (IEEE 802.1d), RSTP (IEEE 802.1d-2004)  |
| Management             | HTTPS (Web configuration), DHCP and static IP, TFTP (firmware and config. download)  |
| Safety                 | SNMP v1, v2 and v3 (monitoring)  |
| Operation              | Frequency range 200 Hz – 7 kHz (G.722)   |
| Audio                  | Phone 3,4 kHz (G.711)  |
| Amplifier              | Integrated 10 W Class-D amplifier<br>10 Watt at 8 Ohm  |
| Sound pressure         | Max. SPL 1 m distance: 118 dB<br>Max. EN (4 m) distance: 97,3 dB   |
| Beam angle             | 500/1000/2000/4000 Hz<br>H 180/180/79/30°<br>V 180/180/119/44°   |
| Ethernet connector     | 1 x RJ45 10/100 Mbit/s   |
| Cable entry            | 1 Kabelverschraubung M20<br>1 Blindstopfen M20   |
| Conformity             | Electric security: CE and FCC Part 15, IEC / EN 60945 Marine components<br>IEC / EN 61000-6 Light / heavy industry, IEC / EN 50486 Components for use in audio and video applications<br>Speaker System: EN54-24 1293-CPD-0332 |
| Temperature range      | -40° C to + 70° C  |
| Humidity               | < 95 % (not condensing)  |
| Mass                   | 2,1 kg   |

**Installation instructions:**

The network cable is routed through the cable gland without a plug. Then the RJ45 plug is connected.

**Order data**

| Item number | Description   | Cargo weight |
|-------------|---|--------------|
| 000001      | Modell MDTR10TKIS2, IP Druckkammerlautsprecher  | 2,1 kg       |
| Equipment ↓ |   |              |
| ????????    | QUICKON RJ45 quick connector CAT5e, cable diameter 4.5 - 8 mm, wire cross section AWG 26 ... 22 |              |
| ????????    | PoE Injektor 10/100M 1-Port, Power over Ethernet IEEE-802.3af                                   | 0,6 kg       |