

Nicht mehr verfügbar! Wir empfehlen: [RealWear Navigator Z1](#)



## RealWear HMT-1Z1 – Industrial smart glasses for hazardous areas

- ✓ Protection classifications for use in hazardous environments
- ✓ Hands-free operation with access to information and communication
- ✓ Video remote support for maintenance and assistance
- ✓ Digital directional microphones and active noise cancellation for use in noisy environments
- ✓ Android 10 and WiFi/Bluetooth interfaces for diverse software solutions

## Specs

**MicroDisplay** 854x480 px (**appears like 7"**)

**16 MP camera**, autofocus & image stabiliser for high-resolution photo shooting and video calls

**Multiple digital directional microphones** & advanced active noise cancellation

**Voice control** suitable for **use in loud industrial noise** up to 95dB - no buttons, swiping or gestures

**17 languages**

Built-in **91dB speaker** and 3.5mm jack for headphones (with ear protection)

**IP66** - dustproof & waterproof - 2 metre drop protection on concrete

**Intrinsically safe:** ATEX, IECEx und NEC500

**Android 10** Qualcomm Snapdragon 626 platform, 3 GB RAM / 32 GB Flash

**Wi-Fi + Bluetooth LE.** Tether to smartphones, Mi-Fi or plug-in USB dongles for LTE access

**8h battery life**

**GPS, gyroscopes and digital compass** for positioning.  
Detects Bluetooth beacons

Weighs only **380 g**

**Clips** for mounting on **safety helmet**

## Accessories

**3-point head strap** RW-HMT-TRIS

**Workband**

**Helmet clips**

**Belt clip** RW-HMT-BECL

**Padded carry bag**

**Hard shell suitcase**

**Hard shell suitcase for HMT-1 + helmet**

## Platform & Features

**Operating system:** Android 8.1.0 (AOSP) + WearHFTM Hands-Free Interface

**Chipset:** 2.0 GHz 8-core Qualcomm® Snapdragon™ 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenCL 2.0

**Memory:** 16 GB internal memory / 2 GB RAM / MicroSD slot (max. 256 GB)

**Included applications:** Document Navigator, camera with barcode reader, video recorder, media player

**Supported languages:** English, German, Spanish, French, Italian, Portuguese, Polish, Russian, Mandarin & Chinese, Japanese, Korean, Polish, Indonesian, Thai

## Connectivity & Sensors

**Bluetooth:** Bluetooth Low Energy 4.1

**Wi-Fi:** 802.11 a/b/g/n/ac - 2.4GHz and 5GHz

**GPS and localization:** GPS, GLONASS, A-GPS

**IMU:** 9-DOF (3-axis acceleration, magnetometer, gyroscope)

## Battery

**Capacity:** 3400 mAh Li-Ion, exchangeable

**Duration:** 8 h for typical use

## Physical Properties

**Weight:** 430 g

**Keys:** On/Off, application-specific action key

**Ports:** 3.5mm audio, 1 Micro-USB, 1 USB Type-C

**Boom arm:** freely adjustable, for right or left eye, when not in use simply fold away

**Protection:** IP66, MIL-STD-810G, 2 m drop test, dust-tight, waterjet-proof

### Ex Protection:

ATEX: II 2G Ex ib IIC T4 Gb | II 2D Ex ib IIIC T135°C Db IP6X

IECEx: Ex ib IIC T4 Gb | Ex ib IIIC T135°C Db IP6X

NEC500: Class I, Division 1, Groups A ,B, C, D T4 | Class II & III, Division 1, Groups E, F, G T4

## Display

**Type:** 20° field of view, 1 meter fixed focus, 24-bit color LCD, 0.33 inch diagonal, also outdoor good readability

**Resolution:** WVGA (854×480)

## Audio

**Microphones:** 4 digital microphones with active noise cancellation, precise voice control even at 95 dBA typical industrial noise

**Loudspeaker:** max. volume 91 dB

## Multimedia

**Camera:** 16 MP 4-axis optical image stabilisation, PDAF with LED light

**Video:** Up to 1080p @30fps. Codecs: VP8, VP9 and hardware encoding support for