

Head Mounted Tablet „HMT-1“

Industrial Data Glass



With the intuitive and completely hands-free HMT-1 data glasses, you always have both hands free for your tasks and access to information and communication at the same time.

To ensure that the control of apps and input of data also functions reliably in noisy environments, the HMT-1 data glasses have several microphones and active noise suppression. The display is shown on a flexibly adjustable micro-display integrated in the headset, which corresponds to an approximately 7-inch screen. The 16 MP camera with autofocus and image stabilizer allows high-resolution photo shots and real-time video chat.

The robust data goggles, which weigh only 380 grams, are certified with protection class IP66 and can also be mounted on a helmet for use in hazardous areas.

Android 8 offers a modern and secure technical environment for various software solutions.

Features

Display	854×480 px Display (appears as 7 inch)
Audio	4 microphones, 91 dB loudspeaker
Voice control	14 languages
Camera	16 MP, image stabilization, LED light
Protection	IP66, drop-proof up to 2 meters
Battery	8 h, exchangeable
Connectivity	WLAN, Bluetooth
Operating system	Android 8.1
Weight	380 g



Fields of application

- Remote assistance via video call, desktop sharing and screenshots
- Step by step instructions in the form of apps, manual videos or checklists
- Industry 4.0: Retrieving and documenting machine data, sensors etc.

Accessories

- Helmet Clips
- Head Straps
- LTE / 4G Modem
- Chargers
- Bags and cases

RealWear HMT-1

Platform & Features

Operating system: Android 8.1.0 (AOSP) + WearHF™ Hands-Free Interface

Chipset: 2.0 GHz 8-core Qualcomm® Snapdragon™ 626

Memory: 32 GB internal memory / 3 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: 3250 mAh Li-Ion, exchangeable

Duration: 8 h for typical use

Physical Properties

Weight: 380 g

Keys: On/Off, application-specific action key

Ports: 3.5mm audio, 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

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 H.264, H.265 HEVC

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