



DATASHEET



realwear®

HMT-1





FEATURES

01

**100% Hands free**

Voice based operating system with local speech recognition in loud areas.

**Unmatched noise cancellation**

Four digital microphones and advanced algorithms.

**Powerful audio**

Integrated speaker and 3.5mm audio jack for use with hearing protection.

**PPE compatible**

Designed to work with standard hard helmets, bump caps and safety glasses.

**Full shift internal battery**

Field swappable for continuous use.

**Outdoor display**

Appears size of 7" tablet, viewable in bright sunlight.

**Water resistant**

IP66—Protected against seas or powerful jets of water.

**Dust tight**

IP66—Complete protection against the ingress of micro particles.

**Shock Resistant**

Resistant to 2 meter drops onto concrete from any angle.

**Built rugged**

Fully operational from -20° C to +50° C ML-STD-810G.

SPECIFICATION

02



Chipset

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

Memory

16 GB internal storage / 2 GB RAM / MicroSD slot

Weight

380 g

Ruggedization

2 meter drop, IP66, MIL-STD-810G

Boom Arm

Adjusts six ways for most head sizes, left or right eye compatible, display can be moved out of way when not in use.

Operating Temperature, Humidity

-4°F to +122°F / -20°C to +50°C, 5% to 95% relative humidity (non-condensing)

Sign-in Options

Companion App, Voice Keyboard with secure mode

Operation System

Android 6.0.1 (AOSP) + WearHF™ hands-free interface

Dedicated Buttons

Power key, application specific Action key

Ports

3.5mm audio, 1 micro-USB, 1 USB Type-C

Languages & Dialects Supported

English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean

Included Applications

Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player

Warranty

1-Year Warranty with Extended Service & Support Plans

Accessories (Optional)

Spare Battery, 6 Battery Multi-Charger, Hard Hat Clips, Bump Cap and Tri-Band Strap, Ear Bud

Hearing Protection Headphone rated at 33dB noise reduction rating (NRR), Soft Pouch Carrying

Case, Semi Rigid Carrying Case, replacement Overhead Straps and Rear Pads





Bluetooth

BT 4.1 LE (Low Energy)

Wi-Fi

802.11 a/b/g/n/ac - 2.4 GHz and 5GHz

GPS and Location

GPS, GLONASS, BeiDou, Baidu A-GPS

IMU - Head Movement Tracking

9-DOF (3-axis accelerometer, magnetometer, and gyroscope), software enhanced stabilization

Security

Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot

Battery

2,600 mAh / 10.0 Wh Li-polymer, rechargeable, hot-swappable

Display Resolution

WVGA (854X480)

Microphone

4 digital microphones with active noise cancellation. Accurate voice recognition even in 95 dBA of typical industrial noise

Speaker

Internal 91 dB loudspeaker

Accessories

Battery Wall Charger, USB Type-C Charging Cable

Camera

Image: 16 MP 4-axis optical image stabilization, PDAF with LED flashlight

Video: Up to 1080p @30fps. Codecs: VP8, VP9 and hardware encoding support for H.264, H.265 HEVC

Display Type

20° field-of-view, 1 meter fixed focus ♦ 24-bit color LCD, 0.33 inch diagonal, outdoor visible



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