



Go beyond

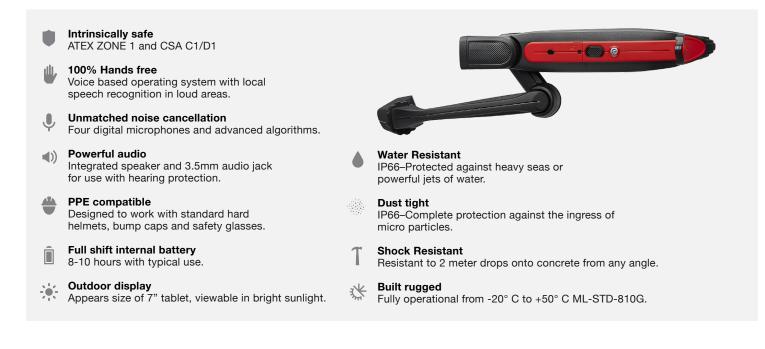
HMT-1Z1

Fully rugged performance

The RealWear[®] HMT-1Z1 is an intrinsically safe ATEX Zone 1 and CSA C1/D1 certified fully rugged head-mounted device. Use it in wet, dusty, hot, dangerous environments. It optionally snaps into safety helmets and can be used with safety glasses or corrective eyewear.

The high-resolution micro display fits just below your line of sight and views like a 7" tablet. It's an industrial dashboard: there when you need it and out of your way when you don't.

The HMT-1Z1 works with powerful software applications from our solution partners in four core categories, each optimized for completely hands-free voice control. That means no scrolling, swiping, or tapping - just simple voice commands. Use it for remote mentor video calling, document navigation, digital workflow, mobile forms and industrial IoT data visualization.



HMT-1Z1 product specifications

Core platform & functions Operating System Chipset Memory Included Applications Languages Supported

Connectivity & sensors Bluetooth Wi-Fi GPS and Location IMU

Battery Capacity Battery Life

Physical characteristics Weight Ruggedization Dedicated keys Ports Boom arm

Display Type Resolution

Audio Microphones Speaker

Multimedia Camera Video

Accessories Included Optional Android 8.1 (AOSP) + WearHF[™] hands-free interface 2.0 GHz 8-core Qualcomm[®] Snapdragon[™] 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenGL 2.0 16 GB Internal Storage / 2 GB RAM / MicroSD slot (max card supported 64 GB) Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean, Thai, Polish

Bluetooth Low Energy 4.1 802.11 a/b/g/n/ac – 2.4GHz and 5GHz GPS, GLONASS, A-GPS 9-DOF (3-axis accelerometer, magnetometer, and gyroscope), software enhanced stabilization

3400 mAh/12.24 wH Li-Ion, non-removable, rechargeable; charging cable contains an inline "safety box" Full shift (8-10 hrs) with typical use

430 g Intrinsically Safe, 2 meter drop, IP66, MIL-STD-810G Power key, application specific action key 3.5mm audio, 1 micro-USB for data and charging Adjusts six ways for all head sizes, left or right eye compatible, display flips out of way when not in use

20° field-of-view, 1 meter fixed focus, 24-bit color LCD, 0.33 inch diagonal, outdoor visible WVGA (854x480)

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

16 MP 4-axis optical image stabilization, PDAF with LED Flashlight Up to 1080p @30fps. Codecs: VP8, VP9 and hardware encoding support for H.264, H.265 HEVC

Overhead strap and rear pad (not attached), and intrinsically safe inline safety box charging cable Hard hat clips, Intrinsically Safe ear bud hearing protection headphone rated at 33dB noise reduction rating (NRR), replacement overhead straps, and rear pads.

