Free your hands

HMT-1

Safer. Faster. Smarter.

The RealWear HMT-1 provides the foundation for Connected Worker programs. Use it in wet, dusty, hot, dangerous and loud industrial environments. A fully rugged head-mounted device, it optionally snaps into safety helmets or attaches to bump caps 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-1 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, guided workflow, mobile forms and industrial IoT data visualization.

100% Hands free
Voice based operating system with local speech recognition in loud areas.

Unmatched noise cancellation
The HMT-1 uses four microphones and advanced algorithms to perform noise cancellation prior to voice recognition.

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
Viewable in bright sunlight.

Water resistant
IP66–Protected against heavy 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.

For ATEX Zone 1/FMC1/D1 Intrinsically Safe model contact RealWear at sales@realwear.com or ipc@elvac.eu

HMT-1
product specifications

Model T1200G

Core platform & functions
Operating System	Android 10.0 (AOSP) + WearHF™ hands-free interface
Chipset	2.0 GHz 8-core Qualcomm® Snapdragon™ 626 with Adreno 506 GPU - OpenGL ES 3.1 & OpenGL 2.0
Memory	32 GB Internal Storage / 3 GB RAM / MicroSD slot (max card supported 256 GB)
Included Applications	Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player
Languages Supported	English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean, Thai, Polish, Traditional Chinese

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

Battery
Capacity	3250 mAh/12.025 wH Li-Ion, rechargable and field swappable
Battery Life	Full shift (9-10 hrs) with typical use

Physical characteristics
Weight	380 g
Ruggedization	2 meter drop, IP66, MIL-STD-810G
Dedicated keys	Power key, application specific action key
Ports	3.5mm audio, 1 USB Type-C
Boom arm	Adjusts six ways for all head sizes, left or right eye compatible, display flips out of way when not in use

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

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

Multimedia
Camera	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

Accessories
Included	Workband, Battery wall charger, USB Type-C charging cable
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.

For more information
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Czech distributor: ipc@elvac.eu

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