



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

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.



HMT-1

product specifications

Model T1200G

Core platform & functions

| | |
|-----------------------|---|
| Operating System | Android 8.1 (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

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|------------------|--|
| 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

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|--------------|---|
| Capacity | 3250 mAh/12.025 Wh Li-Ion, rechargeable 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

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

Audio

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|-------------|---|
| 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 contact:
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