



**realwear.**

**HMT-1®**

World's first hands-free Android™ tablet class wearable computer for industrial workers.



# Free your hands.






## 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 heavy seas or powerful jets of water.
-  **Dust Tight**  
IP66 – Complete protection against the ingress of micro particles.
-  **Drop Proof**  
Resistant to 2 meter drops onto concrete from any angle.
-  **Built Rugged**  
Fully operational from -20° C to +50° C MIL-STD-810G



800-373-5353  
salesmanager@cdce.com  
Business Hours: (PST) M-F 8:00 AM - 5:00 PM

## Core Platform & Functions

|                              |  |
|------------------------------|--|
| <b>Operating System</b>      | Android 8 (AOSP) + WearHF™ hands-free interface  |
| <b>Chipset</b>               | 2.0 GHz 8-core Qualcomm® Snapdragon™ 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenCL 2.0                        |
| <b>Memory</b>                | 16 GB Internal Storage / 2 GB RAM / MicroSD slot (max card supported 256 GB)                                     |
| <b>Included Applications</b> | Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player                                     |
| <b>Languages Supported</b>   | English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean, Thai, Polish |

## Connectivity & Sensors

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

## Battery

|                     |   |
|---------------------|---|
| <b>Capacity</b>     | 3250 mAh Li-Ion, rechargeable and field swappable |
| <b>Battery Life</b> | Full shift (9-10 hrs) with typical use            |

## Physical Characteristics

|                       |  |
|-----------------------|--|
| <b>Weight</b>         | 380 g  |
| <b>Ruggedization</b>  | 2 meter drop, IP66, MIL-STD-810G   |
| <b>Dedicated Keys</b> | Power key, application specific action key   |
| <b>Ports</b>          | 3.5mm audio, 1 micro-USB, 1 USB Type-C   |
| <b>Boom Arm</b>       | Adjust six ways for all head sizes, left or right eye compatible, display flips out of way when not in use |

## Display

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

## Audio

|                    |   |
|--------------------|---|
| <b>Microphones</b> | 4 digital microphones with active noise cancellation<br>Accurate voice recognition even in 95 dBA of typical industrial noise |
| <b>Speaker</b>     | Internal 91 dB loudspeaker  |

## Multimedia

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

## Accessories

|                 |  |
|-----------------|--|
| <b>Included</b> | Battery Wall Charger, USB Type-C Charging Cable  |
| <b>Optional</b> | 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 |