

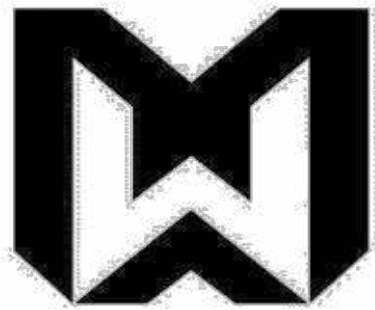
Solution Brief

# REALWEAR NAVIGATOR™ 500

The Next Generation Industrial  
Strength Assisted Reality Solution



# DATASHEET



**realwear**<sup>®</sup>





**FEATURES**

**01**

# Transform Your Frontline

Works with more PPE than other head-worn devices.

Hot-swappable battery for full shift use.

Stunning, modular 48MP camera sensor even in low light settings.

Unrivalled noise cancellation with 4 microphones for hands-free use.

Drop tested, dust tight and water resistant for challenging work environments including extreme heat up to 122°F / 50°C.

Clear, vibrant display, that views like a 7" screen.



**SPECIFICATION**

**02**



## **Chipset**

2.0 GHz 8-core Qualcomm® Snapdragon™ 662 with Adreno 610 GPU – OpenGL® ES 3.2 & OpenCL™ 2.0

## **Memory**

64GB internal storage / 4GB RAM / MicroSD slot (max card supported 512GB)

## **Weight**

9.5oz / 270g

## **Ruggedization**

IP66, MIL-STD-810H, 6.5 feet / 2-meter drop

## **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 11.0 (AOSP) + WearHF™ hands-free interface + Enterprise features

## **Dedicated Buttons**

Power button (with integrated fingerprint sensor), Programmable: action button, left button, right button

## **Ports**

1/8" / 3.5mm audio, 1 USB Type-C

## **Languages & Dialects Supported**

Chinese (Cantonese, Mandarin-Simplified and Traditional), Czech, Dutch, English (American, Australian, British),

French, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Thai

## **Included Applications**

Document Navigator, Camera with Barcode Reader, Audio Recorder, Video Recorder, Webpage Viewer, Cloud

Sync, Media Player, Calculator, Pedometer, Timer

## **Warranty**

1-Year Warranty with Extended Service & Support Plans



MIXED  
REALITY



## **Bluetooth**

Bluetooth® 5.1

## **Wi-Fi**

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

## **GPS and Location**

GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS

NavIC support

Dual-Frequency GNSS (L1 + L5)

Qualcomm® Sensor-Assisted Positioning

## **IMU - Head Movement Tracking**

3 IMUs (including 3-axis accelerometers, gyroscopes, eCompass)

## **Security**

Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot

## **Battery**

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

## **Display Type**

20° field-of-view, 24-bit color LCD, 0.32-inch diagonal, outdoor visible

## **Display Resolution**

WVGA (854X480)

## **Microphone**

4 digital microphones with active noise cancellation

Accurate voice recognition in noise up to 100 dBA

## **Speaker**

Internal 94 dBA loudspeaker

## **Accessories**

Workband, USB Type-C charging cable

## **Camera**

Image: 48 MP Sensor, PDAF with LED flashlight

Video: Up to 1080p @ 60fps, >6X zoom in HD, video stabilization.  
codecs: VP8, VP9, H.264, H.265 HEVC



**ALEGER**  
AUGMENTED REALITY

## Contact



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