

# RealWear Navigator 500

## Smart Glass for Industry

With the intuitive and completely hands-free Navigator 500, you always have both hands free for your tasks and access to information and communication at the same time.

To ensure that the control of apps and input of data also functions reliably in noisy environments, the Navigator 500 has several microphones and active noise suppression.

The adjustable micro-display is integrated in the headset, which corresponds to an approximately 7-inch screen. The 48 MP camera with autofocus and image stabilizer allows high-resolution photo shots and real-time video chat.

The robust RealWear Navigator 500, which weighs only 272 grams, is certified with protection class IP66 and can also be mounted on a helmet for use in hazardous areas.

Android 11 offers a modern and secure technical environment for various software solutions.

### Features

|                  |  |
|------------------|--|
| Display          | 854×480 px Display (appears as 7 inch) |
| Audio            | 4 microphones, 94 dB loudspeaker       |
| Voice control    | 17 languages                           |
| Camera           | 48 MP, image stabilization, LED light  |
| Protection       | IP66, drop-proof up to 2 meters        |
| Battery          | 6-8 h, exchangeable                    |
| Connectivity     | WiFi, Bluetooth                        |
| Operating system | Android 11                             |
| Weight           | 272 g                                  |



### Fields of Application

- Remote assistance via video call, desktop sharing and screenshots
- Step by step instructions in the form of apps, manual videos or checklists
- Industry 4.0: Retrieving and documenting machine data, sensors etc.

### Accessories

- Hard Hat Clips
- Head Straps
- LTE / 4G Modem
- Chargers
- Bags and cases

## RealWear Navigator 500

### Platform & Features

**Operating system:** Android 11 (AOSP) + WearHF™ hands-free interface + Enterprise features

**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)

**Included applications:** Document Navigator, Camera with Barcode Reader, Audio Recorder, Video Recorder, Webpage Viewer, Cloud Sync

**Supported languages:** English, German, Spanish, French, Italian, Portuguese, Polish, Russian, Mandarin Chinese, Japanese, Korean, Polish, Indonesian, Thai, Dutch, Cantonese, Czech

### Connectivity & Sensors

**Bluetooth:** Bluetooth 5.1

**Wi-Fi:** 802.11 a/b/g/n/ac - 2.4GHz and 5GHz

**GPS and localization:** GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS, NavIC support, Dual-Frequency GNSS (L1 + L5), Qualcomm® Sensor-Assisted Positioning

**IMU:** 9-DOF (3-axis acceleration, magnetometer, gyroscope, eCompass)

### Battery

**Capacity:** 2600 mAh / 10,0 Wh Li-Polymer, exchangable, Hot-swappable

**Duration:** 6-8 h for typical use

### Physical Properties

**Weight:** 272 g

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

**Ports:** 3.5mm audio, 1 USB Type-C

**Boom arm:** freely adjustable, for right or left eye, when not in use simply fold away

**Protection:** IP66, MIL-STD-810G, 2 m drop test, dust-tight, waterjet-proof, usable at -20°C to +50°C,

### Display

**Type:** 20° field of view, 1 meter fixed focus, 24-bit color LCD, 0.33 inch diagonal, also outdoor good readability

**Resolution:** WVGA (854×480)

### Audio

**Microphones:** 4 digital microphones with active noise cancellation, precise voice control even at 100 dBA typical industrial noise

**Loudspeaker:** max. volume 94 dB

### Multimedia

**Camera:** 48 MP 4-axis optical image stabilisation, PDAF with LED light

**Video:** Up to 1080p @60fps. >6X zoom, Codecs: VP8, VP9 and hardware encoding support for H.264, H.265 HEVC

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