

Specifications

Core platform and functions

Operating System	Android 12 (AOSP) + WearHF® hands-free interface
Chipset	Qualcomm® 6490
Memory	128 GB Internal Storage / 8 GB RAM
Included Applications	Document Navigator, Camera with Barcode Reader, Audio Recorder, Video Recorder, Webpage Viewer, Cloud Sync, Media Player, Calculator, Pedometer, Timer
Languages Supported	Chinese (Cantonese, Mandarin-Simplified and Traditional), Czech, Danish, Dutch, English (American, Australian, British, Indian), French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Thai, Turkish

Connectivity and sensors

Bluetooth	Bluetooth Low Energy 5.2
Wi-Fi	Wi-Fi 6 (802.11ax) and Wi-Fi 6E (6 GHz)
GPS and Location	GPS, GLONASS, NavIC, BeiDou, Galileo, QZSS, and SBAS
IMU	9-DOF (3-axis accelerometer, magnetometer, and gyroscope), software enhanced stabilization

Battery

Capacity	2550 mAh Li-Ion; removable and rechargeable (Outside of Zone 1)
Battery Life	Full shift with typical use

Physical characteristics

Weight	383g
Ruggedization	Intrinsically Safe (ATEX Zone 1 and CSA C1/D1), 2 meter drop tested, IP66, MIL-STD-810H
Dedicated keys	Power key, application specific action key
Ports	3.5mm Audio Jack, 1 USB-C for data and charging
Boom arm	Adjusts six ways for all head sizes, left or right eye compatible, display flips out of way when not in use
Operating Temperature	-4° F to +131° F / -20° C to +55° C

Display

Type	24° field-of-view, 24-bit color LCoS, 0.35 inch diagonal, outdoor visible
Resolution	HD (1280 x 720)

Audio

Microphones	4 digital microphones with active noise cancellation. Accurate noise cancellation up to 100dBA
Speaker	Internal 94dBA loudspeaker

Multimedia

Camera	48 MP Sensor, PDAF with LED flashlight, modular (removable outside of Zone 1)
Video	Up to 1080p @ 60fps, >6X zoom in HD, video stabilization. codecs: VP8, VP9, H.264, H.265 HEVC

Accessories

Included	Intrinsically Safe inline safety box charging cable, works with most RealWear Navigator accessories including mounting solutions, Intrinsically Safe hearing protection, replacement clips, and more. Single Battery Charger and Thermal Camera Module are planned future accessories. Not all accessories are rated for IS zones.
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Warranty

Warranty period	1 year. For warranty extension services and support plans, please contact sales.
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