

Navigator® 500

The Next Generation Industrial Strength Assisted Reality Solution



Feature

- Rugged Design**
 Drop tested, dust tight and water resistant for challenging work environments including extreme heat up to 122°F/50°C
- PPE Compatible**
 Works with more PPE than other head-worn devices
- Revolutionary Modular Design**
 Enables on-the-job agility and adaptability to support even more use cases
- High-resolution camera**
 Stunning, modular 48MP camera sensor even in low light settings
- Enhanced Remote Collaboration**
 Improves productivity, saves travel costs and reduces equipment downtime
- Full-shift**
 Work comfortably all day and easily hot-swap your battery without losing a minute on the job

Specification

General	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)
	Weight	9.5oz/270g
	Ruggedization	IP66, MIL-STD-810H, 6.5 feet / 2-meter drop
	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
	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)
	Included Applications	Document Navigator, Camera with Barcode Reader, Audio Recorder, Video Recorder, Webpage Viewer, Cloud Sync, Media Player, Calculator, Pedometer, Timer
Connectivity & Sensors	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
	Sign-in Options	Companion App, Voice Keyboard with secure mode
	Bluetooth	Bluetooth 5.1
	WiFi	802.11 a/b/g/n/ac - 2.4 GHz and 5GHz
	GPS and Location	<ul style="list-style-type: none"> • GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS • NavIC support • Dual-Frequency GNSS (L1 + L5) • Qualcomm® Sensor-Assisted Positioning
Battery	IMU - Head Movement Tracking	3 IMUs (including 3-axis accelerometers, gyroscopes, eCompass)
	Capacity	2,600 mAh / 10.0 Wh Li-polymer, rechargeable, hot-swappable
Security	Security	Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot
	Type	20° field-of-view, 24-bit color LCD, 0.32-inch diagonal, outdoor visible
Display	Resolution	WVGA (854 X 480)
	Microphones	4 digital microphones with active noise cancellation Accurate voice recognition in noise up to 100 dBA
Audio	Speaker	Internal 94 dBA loudspeaker
	Image	48 MP Sensor, PDAF with LED flashlight
Camera	Video	Up to 1080p @ 60fps, >6X zoom in HD, video stabilization. codecs: VP8, VP9, H.264, H.265 HEVC
	PPE	Works with many hard hats, protective eyewear, masks and more
Compatibility	Warranty	1-Year Warranty
	Extended Service & Support Plans	Available
Warranty	Included	Workband, USB Type-C charging cable
	Foresight	Accelerates centralized deployment and management of devices
Accessories		
Cloud Services		

The RealWear Navigator™ 500 is the leading ruggedized assisted reality solution designed to engage, empower and elevate the modern frontline worker. Connect and collaborate with remote experts, follow digital workflows, visualize IoT data and much more. Safely reduce downtime, improve quality and employee productivity, while realizing significant ROI.

Built for Productivity. Designed for Safety.

Full-Shift, Hands-Free Use

Work comfortably all day and easily hot-swap your battery without losing a minute on the job.

Enhanced Remote Collaboration

Improves productivity, saves travel costs and reduces equipment downtime.

Revolutionary Modular Design

Enables on-the-job agility and adaptability to support even more use cases.

Secure, Seamless Sign-On & Enterprise Deployment

Reduces time and friction to get devices up and running, deployed and managed securely.

Transform Your Frontline

Works with more PPE than other head-worn devices.

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

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



Hot-swappable battery for full shift use.

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

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

SYSGRATION[®]

6Fl., No.1,Sec.1, Tiding Blvd., Neihu Dist., Taipei City, Taiwan
marketing.amd@sysgration.com | 02-2790-0088 | www.sysgration.com

All product specifications are subject to change without notice.



Last updated: 05-Jun-2024 v1