Navigator™ 520

BIGGER.SHARPER.BOLDER.

Features

- **Rugged Experience Better Viewability**
  Experience a 20% larger screen* offers bolder, brighter, more accurate color representation.

- **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

Category	Spec	Details
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	9.7oz/274g
	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
	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
Connectivity & Sensors	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)
Battery	Capacity	2,600 mAh / 10.0 Wh Li-polymer, rechargeable, hot-swappable
Security	Security	Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot
Display	Type	24° field-of-view, 24-bit color LCD, 0.35-inch diagonal, outdoor visible
	Resolution	HD (1280X720)
Audio	Microphone	4 digital microphones with active noise cancellation Accurate voice recognition in noise up to 100 dBA
	Speaker	Internal 94 dBA loudspeaker
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
Compatibility	PPE	Works with many hard hats, protective eyewear, masks and more
Warranty	Warranty	1-Year Warranty
	Extended Service & Support Plans	Available
Accessories	Included	Workband, USB Type-C charging cable
Cloud Services	RealWear Cloud	Accelerates centralized deployment and management of devices

All specifications are subject to change without notice. Please check with your supplier for exact offers.

BIGGER.
SHARPER.
BOLDER.

20%
LARGER VIEW*

INTRODUCING REALWEAR NAVIGATOR™ 520 WITH HYPERDISPLAY

*THAN REALWEAR NAVIGATOR 500

RealWear Navigator™ 520 is the latest device in the RealWear Navigator™ 500 Series. Our new flagship wearable offers an upgraded display while maintaining the features of the RealWear Navigator 500 that you know and love, making it our best wearable yet .

BUILT FOR PRODUCTIVITY. DESIGNED FOR SAFETY.

Full-Shift, Hands-Free Use
Work comfortably all day with a full-shift battery. Keep your hands free and your vision unobstructed for maximum safety.

Revolutionary Modular Design
Expand your functionality and tackle even more issues using accessories such as our Thermal Camera Module.
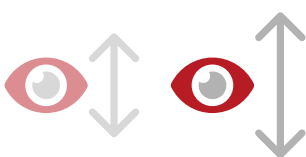
Enhanced Remote Collaboration
Harness the power of over 200 voice-optimized apps to improve productivity, save travel costs, and reduce equipment downtime.

Secure and Seamless
Get your devices deployed easily and managed securely with the support of RealWear Cloud and MDMs such as Microsoft Intune.
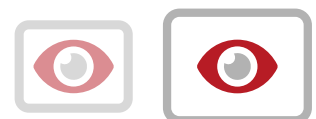
EXPERIENCE BETTER VIEWABILITY

Longer Eye Relief
With longer eye relief, you can position the display farther from your eye to see the screen more easily.

Larger Eye Box
With a larger eye box, you can more easily find the perfect viewing angle.

Higher Resolution
Get sharper visuals and better color reproduction from a larger High Definition display.

SIDE-BY-SIDE COMPARISON

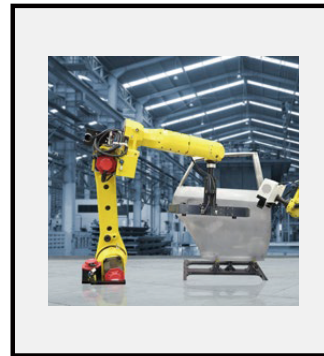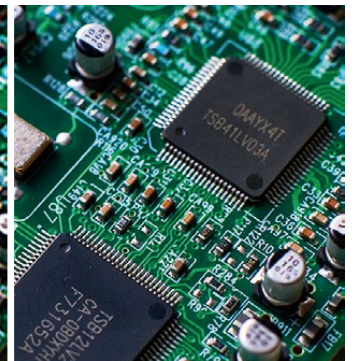| COREDISPLAY REALWEAR NAVIGATOR 500		HYPERDISPLAY REALWEAR NAVIGATOR 520
WVGA (854x480)	RESOLUTION	HD (1280x720)
20°	FIELD OF VIEW	24°
20mm	EYE RELIEF	30mm
8x5mm	EYE BOX	14x14mm
0.32"	DISPLAY SIZE	0.35"

INTRODUCING THE HYPERDISPLAY

Bigger
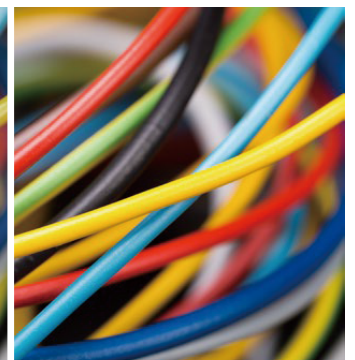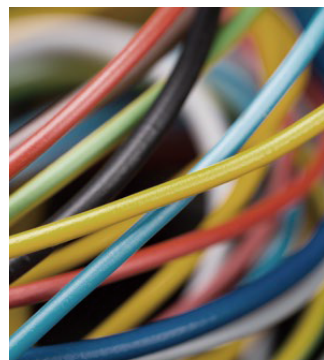Experience a 20% larger screen* while maintaining awareness for the best of both worlds.

Sharper
With twice the resolution*, see text, graphics, and your environment in more detail.

Bolder
HyperDisplay offers bolder, brighter, more accurate color representation*.

*Than RealWear Navigator 500

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