



RealWear Navigator 520 – Bigger, sharper, more colorful - with HyperDisplay

- ✓ HyperDisplay with large viewing area, higher resolution and better colour representation
- ✓ Effective voice control in 16 languages
- ✓ Flexibility through integrable modules such as thermal camera
- ✓ Robust industrial smart glasses with powerful, replaceable battery
- ✓ Ideal platform for assisted reality applications

Features

Display: HD (1280 x 720 px), 24° field of view

Audio: 4 microphones, 94 dB loudspeaker

Voice control: 16 languages

Camera: 48 MP, image stabilisation, LED light

Protection: IP66, dropproof up to 2 metres

Battery: 6 - 8 h, can be changed without interruption

Connectivity: WLAN, Bluetooth

Additional features: GPS, eCompass, 3axis acceleration, gyroscope, fingerprint sensor

Operating system: Android 13

Processor: 2.0 GHz 8core Qualcomm Snapdragon 662

Memory: 64 GB (with additional SD card up to 512 GB), 4GB RAM

Operating temperature: -20 - 50 °C

Weight: 272 g

Optional accessories

Helmet clips

Head straps

LTE / 4G Modem

Chargers

Bags and cases

Thermal Camera

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	<ul style="list-style-type: none"> • 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
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SECURITY

Security	Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot
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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
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WARRANTY

Warranty	1-Year Warranty
Extended Service & Support Plans	Available

ACCESSORIES

Included	Workband, USB Type-C charging cable
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CLOUD SERVICES

RealWear Cloud	Accelerates centralized deployment and management of devices
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