

RealWear Arc 3

The latest evolution in assisted reality.



The RealWear Arc 3 is a voice-controlled assisted reality headset that gives frontline workers instant access to the information they need, all while keeping their hands free. Worn like a headband, it's the lightest headset in the RealWear portfolio. Built with a see-through micro-OLED display that brings sharp, detailed visuals to life, without losing sight of the world around them. The RealWear Arc 3 empowers workers to access documents, capture images, join video calls, and run custom applications – all without touching a screen.



Product Highlights

Precision Display

A double-retina see-through display delivers sharp, detailed visuals with outstanding color accuracy – making digital information crystal clear.

Dual-Camera System

A powerful 50 MP main camera paired with an 8 MP wide-angle sensor captures every detail with stunning clarity, from high-resolution images to seamless video calling.

Built for Comfort

At just 179 grams, the RealWear Arc 3 is engineered for all-day comfort and built to work seamlessly with prescription glasses and Peltor-style headsets.

Clear Stereo Audio

Two internal speakers and four noise-cancelling microphones (up to 100dB) keep conversations clear in loud environments.

RealWear Arc 3 Specifications

General	
Chipset	Qualcomm® Snapdragon™ 662
Memory	64GB / 4GB RAM
Material	LEXAN™ EXL9330
Ports	USB Type-C
Weight	179 g (6.3 oz)
Dimensions	Folded: 160 × 65 × 67 mm (6.30 × 2.56 × 2.64 in) Unfolded: 160 × 121 × 67 mm (6.30 × 2.56 × 2.64 in)
Operating Temperature, Humidity	-20°C to 45°C (-4°F to 113°F) / 10%–80% (non-condensing)
Ruggedization	None
Display	
Technology	Micro-OLED (Full-Color, 95% DCI-P3)
Resolution	1920 x 1080 (FHD)
Field of View	22°
See-through Display	Yes
Supported Eye	Right eye
Adjustable Display	No
Connectivity & Sensors	
Wi-Fi	802.11 a/b/g/n/ac (2.4 GHz and 5 GHz)
Bluetooth	Bluetooth 5.1 (BLE + standard)
GPS and Location	GPS, GLONASS, NavIC, BeiDou, Galileo, QZSS, SBAS, Dual-Frequency GNSS, Qualcomm® Sensor-Assisted Positioning
Sensors	3-Axis Gyroscope, 3-Axis Accelerometer, Barometer, 3-Axis Magnetometer, Ambient Light Sensor, Wear Detection Sensor, Capacitive Touchpad and Awareness Sensor (2MP, 149.7° FOV, B&W).
Power & Charging	
Battery	Rechargeable lithium-polymer battery (2000mAh / 3.8V)
Charging Options	USB Type-C charging or Arc 3 Base - Charging Station

RealWear Arc 3 Specifications

Camera	
Main Camera	50 MP, 82° FOV (Sony LYT-600)
Wide-Angle Camera	8 MP, 120° FOV (OmniVision OV8856)
Video Resolution	1080p at 60 fps
Supported Codecs	H.264, HEVC, MPEG-4, VP8/9, VC1, H.263, MPEG-2
Flash	Yes
Audio	
Microphones	4 digital microphones with active noise cancellation (up to 100 dBA)
Speaker	Internal 85dBA Loudspeaker on both sides
Software & Security	
Operating System	Ari OS (Android 13)
Sign-In Options	Companion App, Voice Keyboard (Secure Mode), Everykey
Security	Qualcomm® Trusted Execution Environment, Secure Boot, Crypto Engine
Cloud	Ari Cloud (Centralized Deployment and Management)
Supported Languages	Chinese Cantonese (中文粵語), Chinese Simplified (中文简体), Chinese Traditional (中文繁體), Czech (Čeština), Danish (Dansk), Dutch (Nederlands), English (Australia), English (India), English (United Kingdom), English (United States), French (Français), German (Deutsch), Indonesian (Bahasa Indonesia), Italian (Italiano), Japanese (日本語), Korean (한국어), Norwegian Bokmål (Norsk bokmål), Polish (Polski), Portuguese (Português), Russian (Русский), Spanish (Español), Thai (ไทย), Turkish (Türkçe)
Other	
Compatible With	Eyewear (safety/prescription), hearing protection, and external headphones (wireless)
In The Box	RealWear Arc 3 (with Comfort Padding and Adjustable Strap), Protective EVA Case, USB Type-C Cable, Quick Start Guide