DATA SHEET

RealWear Arc 3

The Next Generation Industrial Strength Assisted Reality Solution.

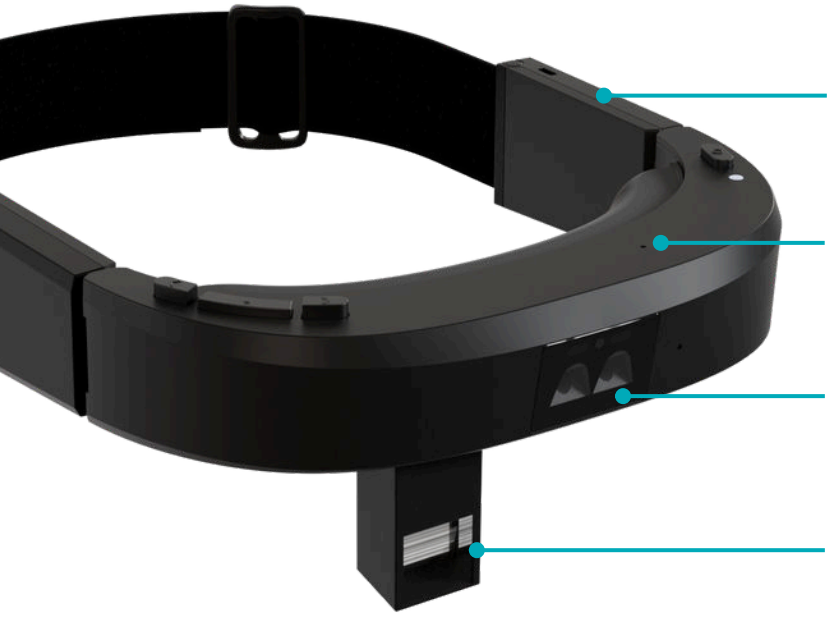
Built for Productivity. Designed for Safety.

The RealWear Arc 3 is an assisted reality solution, features a see-through precision display, designed to engage, empower and elevate the modern frontline worker.

Connect and collaborate with remote experts, follow digital workflows, visualise IoT data and much more. Safely reduce downtime, improve quality and employee productivity, while and realise a significant return on investment.

- **Precision display:** Featuring a double retina display, designed for sharp visuals.
- **Sleek, as it should:** Weighing 175 grams, and can be worn with any PPE equipment.
- **High-performance camera system:** Two lenses, capturing any environment.
- **Secure Enterprise Deployment:** Reduces time and friction to get devices up and running.

Sleek, as it should be.



Weighing just 175 grams, the RealWear Arc 3 is lightweight, easy to wear and adjust.

Featuring four built-in microphones and advanced noise reduction technology.

Dual camera system to capture a broader field of view and allowing to zoom for details.

See-through display, allowing sharp details and a full-color HD micro-OLED display.

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RealWear Arc 3 Specifications

General	
Operating System	Ari OS 2.0 (Android 13 based)
Chipset	Snapdragon 662
Memory	64GB/ 4GB RAM
Weight & Dimensions:	175 grams/ 155 x 68 x 64 mm
Materials	LEXAN™ EXL9330
Model name	A31G
Ports	USB Type-C
Temperature, Humidity	-20°C to 45°C/ Humidity: 10% to 80% (non-condensing)
Languages & Dialects Supported	Chinese (Cantonese, Mandarin-Simplified and Traditional), Czech, Danish, Dutch, English (American, Australian, British, Indian), French, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Ukrainian, Spanish, Turkey, Thai
Sign-in Options	Companion App, Voice Keyboard with secure mode, Everykey
Display	
Display Technology	Micro-OLED, Full-Color/ DCI-P3, 95%
Resolution	Full HD, 1920x1080 SPR, 1080p monocular
FOV	22°
See Through	Yes
Connectivity & Sensors	
Bluetooth	Bluetooth 5.1 (BLE + standard)
Wi-Fi	802.11 a/b/g/n/ac - 2.4 GHz and 5GHz
Sensors	3-axis gyroscope and a 3-axis accelerometer/ Barometer/ 3-Axis Magnetometer/Ambient light sensor/wear detection sensor/capacitive touchpad / Awareness Sensor 160° FOV, 2MP, B&W
Battery	
Capacity	2000mAh/Lithium-polymer/Rechargeable/3.8V
Security	
Security	Qualcomm® Trusted Execution Environment, Crypto Engine, Secure Boot
Audio	
Microphone Count	4 digital microphones with active noise cancellation. Accurate voice recognition in noise up to 100 dBA.
Technology	Noise reduction and echo cancellation
Speaker	Internal 85dbA loudspeaker on both sides.
Camera	
Wide-Angle Camera	OmniVision OV8856 — 120° FOV, 8 MP
Main Camera	Sony IMX882 — 82° FOV, 48 MP
Video Capabilities	4K at 30fps, 1080p at 120fps
Supported Codecs	h264, hevc, mpeg4-sw, vp8, vp9, vc1, div4/5/6-sw, h263-sw, mpeg2
Accessories	
Included	Headband, USB Type-C cable, Padding, Quick Start Guide, Protective EVA Case
Cloud Services	
Ari Cloud	Accelerates centralized deployment and managment of devices
Operating Environment	
Supported Eye Use	Right
Compatible With	Prescription/safety glasses, in-ear & over-ear hearing protection, in-ear & over-ear Bluetooth headphones

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