

ODG 

SMARTGLASSES
9



Prosumer ▪ Enterprise ▪ Developers



Information at the Speed of Sight™

Smartglasses For a Smarter World

AMAZE YOURSELF

The power and performance of a tablet superpowered with stunning, high-definition mixed reality.

A NEW REALITY

Precision sensors understand the environment and overlay information seamlessly onto the real world.

TRUE MOBILITY

No cords needed.

Powerful, versatile, and with a 50° field-of-view, R-9 is ideal for light enterprise and prosumer media consumption use. It plays movies with cinematic clarity, drops you inside immersive 3D interactive experiences, and reveals new worlds of invention and productivity. R-9 is also a flexible development platform for mobile virtual reality and mixed reality experiences, with module expansion capabilities that make it our most customizable device for a wide variety of environments and end user.

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Weight: < 6.4oz

HARDWARE

- Qualcomm® Snapdragon™ 835
- 2.45GHz 8-core Processor
- 6GB Pop LP-DDR-4 RAM
- 128GB Storage
- 1400mAh Lithium Polymer Batteries (2 x 700mAh)
- Replaceable, Adjustable Nose Bridge
- Changeable Ear Horns

DISPLAY

- Dual 1080p Stereoscopic See-Thru Displays at up to 60fps
- 50° Field-Of-View
- 22:9 & 16:9 Aspect Ratios
- Immersive See-Thru

COMMUNICATIONS

- Bluetooth® 5.0
- WiFi® 802.11ac
- GNSS (GPS/GLONASS)

SENSORS

- Multiple Integrated Inertial Measuring Unit with 3-Axis Accelerometer, 3-Axis Gyroscope, 3-Axis Magnetometer
- Altitude Sensor
- Humidity Sensor
- Ambient Light Sensor
- 13MP Autofocus Camera (1080p @ 120fps, 4k @ 60fps)
- 5MP Cameras for Stereo Capture and Depth Tracking
- Ultra Wide-Angle Fisheye Camera for Enhanced Environmental Tracking and Positioning
- Expansion Port (MIPI-CSI)

INPUT/OUTPUT

- Two Digital Microphones (Environment & User)
- USB Type-C: Charging, Data Transfer, Audio and Video Output
- Built-In Stereo Speakers

SOFTWARE

- ReticleOS™, Android Nougat Framework
- Optimized for ODG Smartglasses
- Compatible with a Number of SDKs (See ODG Website)
- ReticleOS™ Developer Program

INCLUDED ACCESSORIES

- Interchangeable Shields
- Power Supply and Cable

OPTIONAL ACCESSORIES

- Reticle Speed Mouse
- Wireless Keyboard
- Portable Back-up Power Supply
- Corrective Lens Inserts
- Replacement Nose Pads & Ear Horns
- Interchangeable Shields
- Head-Strap
- Carrying Case