



Information at the Speed of Sight™

R-7HL (Hazardous Location)

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.

Smartglasses tested and certified for extreme environments. A durable, hands-free, wearable computing platform for professionals in oil exploration and production, energy, mining, utilities, chemical production, and pharmaceuticals that enables heads-up, hands-free checklists, guided assistance tools, remote assistance support, and the delivery of real time notifications and alerts for safer, more efficient work.

Delivers impact eye protection, Military Standard 810G certification for drop, shock, vibration, low pressure and temperature extremes, and ANSI Z87.1+ dustproof and splashproof certification. Device is also Zone 2 “Intrinsically Safe” certified for use in potentially dangerous settings where flammable gases, vapors, or mists are not normally present in an explosive concentration but may materialize.



Transportation



Healthcare



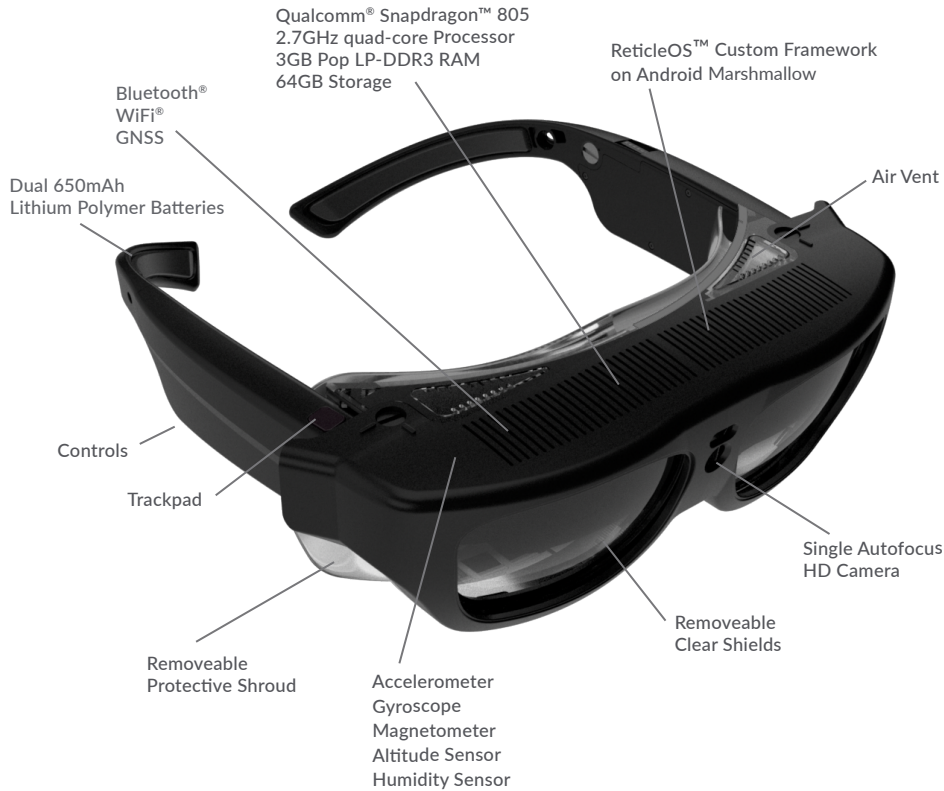
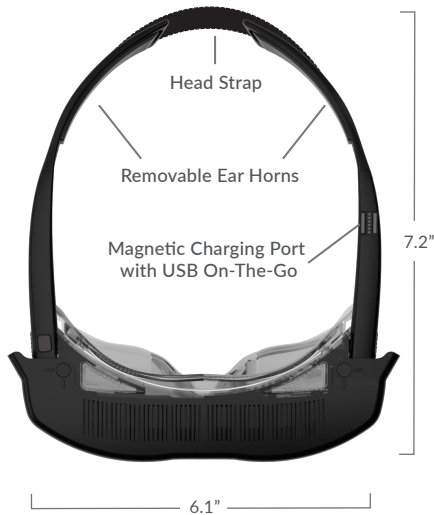
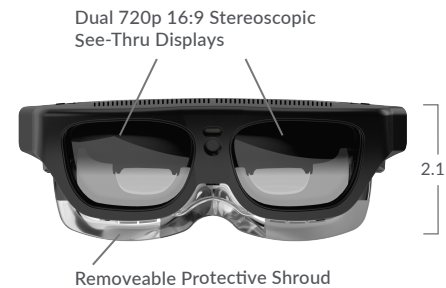
Energy & Utilities



Logistics



Security


TOP

FRONT

SIDE


Weight: < 8.0oz

INDUSTRIAL DESIGN AND ERGONOMICS KEY FEATURES:

Fully Self-Contained
Mobile

Form Factor Similar to Safety Goggles for
Eye Protection

Protective Shroud is Removable, Cleanable,
and Replaceable

Replaceable Lenses for Ease of Cleaning
and Multiple Use Cases

Open Combiner for Ease of Cleaning

Wrap Around, Replaceable Ear Horns
for Comfort

Center of Mass Shifted Back for Comfort
Heat From the Electronics is Directed Away
From the User

Air Venting to Limit Fogging of the Device

Clear Side Protection for Peripheral View

Head-Strap to Retain Device in High
User Active Environments

HARDWARE

Qualcomm® Snapdragon™ 805

2.7GHz quad-core Processor

3GB Pop LP-DDR3 RAM

64GB Storage

1300mAh Lithium Polymer Batteries (2 x 650mAh)

Removable Ear Horns

Magnetically Attached Ear Buds

Magnetic USB Data & Power Cable

Dual Haptic Feedback in Temples

OPTICS

Dual 720p Stereoscopic See-Thru Displays
at up to 84fps

High See-Thru Capability

Removable Clear Shields

Snap-In-Place Correctives (*Accessory Sold Separately*)

Bright Sunlight Readability with High Contrast

COMMUNICATIONS

Bluetooth® 4.1 (Basic rate, EDR, BLE)

WiFi® Dual Band 802.11ac (a, b, g, n, ac)

GNSS-based Location (includes GPS and GLONASS)

SENSORS

Multiple Integrated Inertial Measuring Units
with 3-Axis Accelerometer, 3-Axis Gyroscope,
3-Axis Magnetometer

Altitude Sensor

Humidity Sensor

Ambient Light Sensor

Single Autofocus 4MP Camera

INPUT/OUTPUT

2 Digital Microphones (*Environment & User*)

Magnetic Charging Port with USB On-The-Go

Magnetic Stereo Audio Ports with Ear Buds

"Back", "Menu", "Vol+", "Vol-", "Power", and
"Select-User Configurable" Controls

Integrated Optical Trackpad with Button

SOFTWARE

ReticleOS™, Android Marshmallow Framework
Optimized for ODG Smartglasses

Compatible with a Number of SDKs (*See ODG Website*)

ReticleOS™ Developer Program

CERTIFICATIONS AND STANDARDS

ANSI Z87.1+ (Impact Eye Protection)

ANSI Z87.1+ D3 (Splash Protection)

ANSI Z87.1+ D4 (Dust Protection)

FCC/CE

Intrinsic Safety (*See ODG Website for Details*)

Class I, Division 2, Groups D, T4

Class I, Zone 2, AEx ic IIA T4 Gc

Class I, Zone 2, Ex ic IIA T4 Gc

-20°C ≤ Ta ≤ +50°C

ITEMS INCLUDED WITH R-7HL KIT

- Magnetic Ear Buds
- Magnetic USB Data & Power Cable
- USB Wall Charger
- Carrying Case
- Head Strap
- Microfiber Cleaning Cloth
- Instruction Manual