



# VUZIX M4000™

## Lightweight Comfort Meets Game Changing Optics

Vuzix M4000 smart glasses push the boundaries of what's possible in a wearable.

Only a purpose-built Snapdragon XR1 processor by Qualcomm can power its advanced AR optical system. Paired with a durable lithium polymer battery that's truly hot swappable, and ruggedized for harsh use, this device is built to last.

Keep focused on the real world while viewing an unobtrusive ultrabright display, even in broad daylight. Our revolutionary see-through (non-occluded) waveguide optics have changed the way people think about smart glasses.

At just 3.5oz, the display is lighter than a deck of cards, delivering all-day comfort and heavyweight performance.



\*Waveguide optic is in-field replaceable

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## TECHNICAL SPECIFICATIONS

### OPTICS

- See through Wave Guide optics\*
- Display resolution: WVGA color display 854x480
- Display type: DLP
- Aspect ratio: 16:9
- Field of View (diagonal): 28 degrees, equivalent to a 8.5" mobile device screen seen at 17"
- Brightness: > 1000 nits
- Contrast: > see through 500:1
- 24-bit color
- Supports left or right eye use

### SYSTEM

- 8 Core 2.52Ghz Qualcomm XR1
- 6GB LPDDR4 System RAM
- 64GB internal flash memory
- Android 9.0 OS
- OS and apps OTA upgradeable
- MDM available from multiple partners

### CERTIFICATIONS\*\*

- Drop safe to 1 meter
- IEC60601-2:2014 Medical Device
- IEC60601-1:2005, AMD1:2012
- IEC60601-1-6:2010, AMD1:2013
- IEC60601-1-11:2015
- IP67 rated protection against water and dust (Longevity Series)

### UNIVERSAL RAIL FOR VARIOUS MOUNTING OPTIONS.

- Vuzix M-Series Rail Eyeglass safety glasses frames (medium included)
- Viewer weighs less than 3.5 oz.
- Ball cap mounts
- Safety glasses frames, small and large available
- Hard hat mount
- Headband mount (included)
- Peltor headphone mount

### BATTERY

- 135 mAh internal battery supports hot swapping of external batteries
- 750 mAh IP67 certified USB-C battery with 3-level LED indicator (Longevity Series)
- Extended life 3350 mAh USB-C battery (Extended Series)
- Can be powered by 3rd-party USB battery packs in place of head-worn battery
- 2 – 12 hours of operation based on external battery choice

### CONTROLS

- 3 control buttons
- Voice control – customizable and supports multiple languages
- 2 axis touchpad with multi-finger support

### AUDIO

- Integrated speaker (up to 97db output)
- Triple noise-cancelling microphones
- BT audio: HSP / A2DP

### CAMERA

- Up to 12.8-megapixel stills
- Up to 4k30fps video
- Improved auto-focus (PDAF)
- Improved optical image stabilization
- LED flash/scene illumination
- Barcode scanning

### CONNECTIVITY

- USB 3.1 Gen 2 on USB Type-C
- Wi-Fi 2.4/5Ghz 802.11 a/b/g/n/ac
- Bluetooth 5.0 BR/EDR/LE
- GPS / GLONASS

### INTEGRATED HEAD TRACKER

- 3-degree of freedom head tracking
- 3 axis gyro
- 3 axis accelerometer
- 3 axis mag/integrated compass

### ENVIRONMENT

- Operating temperature -20°C to 45°C/-4°F to 113°F
- Operating humidity 0-95% RH
- Storage temperature 10-45°C
- Storage humidity 0-95% RH

**VUZIX®**

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