



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 Qualcomm XR1 processor 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.



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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 memory
- 64GB internal flash storage
- Android 11 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
- 1,000 mAh IP67 certified USB-C battery with 3-level LED indicator (All Weather Kit)
- 4800 mAh USB-C power bank (not IP67 certified Extended Wear Kit)
- 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