



## Vuzix M4000 – The revolutionary Waveguide optics as a "see-through display"

- ✓ Innovative waveguide optics for unrestricted view and optimal information display
- ✓ Strong performance through specially developed hardware components
- ✓ Robust and waterproof design for use in various areas
- ✓ Intuitive operation by head movement and voice command with pre-installed special apps
- ✓ Multiple IEC 60601 certificates for safe and efficient use, even in particularly sensitive environments

## Features

All-day comfort with a weight of **only 100 g**

Bright "see-through" **waveguide with wide 28-degree field of view**

**Hot-swappable** to prevent downtime when changing batteries

**3,350 mAh Anker powerbank**, goggles and headband included with the Extended Series

Powerful **runtime of up to 12 hours**, depending on battery choice and application

Never miss a detail with **autofocus and 4K video streaming at 30 frames** per second through the 12.8 million pixel PDAF camera

**IP67 certified** protection against dust and water, **drop-proof up to 2 m**

## Optional accessories

**Safety glasses frames, small and large available**

**Frames without lenses**

**Headband**

**Hard hat mount**

**Peltor headphone mount**

**Baseball Hat**

**Baseball hat holder**

**various power banks**

**Charging cable**

**Headband**

## OPTICS

- See through Wave Guide optics<sup>2</sup>
- 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<sup>3</sup>

- Drop safe to 2 meters
- IEC60601-1-2:2014 Medical Device
- IP67 rated protection against water and dust (Longevity Series)

## UNIVERSAL M-Series 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

## INTEGRATED HEADTRACKER

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

## GPS

- GPS / GLONASS

## 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