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AUGMENTED REALITY

VUZIX®

M4000

FEATURES
01

Multiple noise-cancelling mics with built-in speaker

Advanced Waveguide Optics with Full Color DLP Display

Voice Navigation

Navigation Buttons

64 GB Storage

Touchpad

Wi-Fi & Bluetooth

GPS

Flashlight

Auto-Focus 4K Camera

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SPECIFICATION

02

Optics

- See-through waveguide optics
- Display resolution: WVGA color display 854x480
- Display type: DLP
- Aspect ratio: 16:9
- Field of view (diagonal): 28°, equivalent to a 9″ mobile device screen seen at 18″
- Brightness: 5000 nits
- Contrast: > see through 1000:1
- 24-bit color
- Supports left or right eye use

General

- 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

- IP67 Rated (Longevity Series)
- Drop safe to 1 meter
- IEC60601-1-2:2014 Medical Device

Mounting Options

- Vuzix M-Series Rail Eyeglass frames without lens (standard)
- Viewer weighs less than 3.5 oz
- Eyeglass frames with lens
- Safety glasses
- Hard hat mount
- Headband (Standard)
- 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) or an extended life 3,350 mAh USB-C power bank (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

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Controls

- 3 control buttons
- Voice control is 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

GPS

GPS / GLONASS

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

Head Tracking

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

Supported Languages

- English
- Spanish
- French
- German
- Mandarin Chinese
- Japanese

Environment

- Operating temperature -20ºC to 45ºC/-4ºF to 113ºF
- Operating humidity 0-95% RH
- Storage temperature 10-45ºC
- Storage humidity 0-95% RH

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Contact

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