Vuzix M400











Vuzix M400 - A powerful combination of comfort and versatility

- Flexible control options via voice command, touchpad and control buttons
- Powerful camera function for video streaming and vision picking
- Advanced processor for aR applications
- IEC 60601 certificates for safe use in sensitive areas such as operating theatres
- Long battery life with hot-swap function

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Features

Weighs only ${\bf 68~grams}$ thanks to its minimalist design Powerful runtime of up to 12 hours, depending on the choice of battery and application Hot-swappable to prevent downtime when changing Never miss a detail with autofocus and 4K video streaming at batteries 30 frames per second through the 12.8 million pixel PDAF camera 3,350 mAh Anker power bank included with the Extended Series Protected from water, dust and a drop of 2 metres, IP67 protection rating Large selection of additional power banks **Optional accessories** Safety glasses frames, small and large Baseball hat

Frames without lenses

Hard hat mount

available

Headband

Peltor headphone mount

Baseball hat holder

various power banks

Charging cable

Headband

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OPTICS

- Display resolution: nHD color display
- · Display type: OLED
- Aspect ratio: 16:9
- Field of View (diagonal): 16.8 degrees, equivalent to a 5 in. mobile device screen seen at 17 inches
- Brightness: > 2000 nits
- Contrast: > 10,000:1
- 24-bit color with true black
- Supports left or right eye use

SYSTEM

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

CERTIFICATIONS²

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

UNIVERSAL M-Series RAIL FOR VARIOUS MOUNTING OPTIONS

- Vuzix M-Series Rail Eyeglass frames without lens (standard)
- · Weighs less than 3 oz.
- Eyeglass frames with lens
- · Safety glasses
- · Hard hat mount
- · Headband mount
- Peltor headphone mount

BATTERY

- 135mAh internal battery supports hot swapping of external batteries
- 750 mAh IP67 certified USB-C battery with 3-level LED indictor (Longevity
- 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 4k30 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 HEAD TRACKER

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

· 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