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

Vuzix M400

Features

Weighs only **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 batteries

Never miss a detail with **autofocus and 4K video streaming at 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 available

Baseball hat

Frames without lenses

Baseball hat holder

Headband

various power banks

Hard hat mount

Charging cable

Peltor headphone mount

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

CERTIFICATIONS[2]

- 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 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 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

- GPS / GLONASS

ENVIRONMENT

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