



# VUZIX M400™

The optimal balance of performance and comfort

Our flagship device, Vuzix M400 smart glasses are widely recognized as the most versatile AR workplace tool on the market. Why? They're designed for all-day comfort and come equipped with the Qualcomm XR1 platform to power a huge variety of enterprise applications. Flexible mounting options make them compatible with almost any PPE, and the IP67 rating gives you peace of mind that this device is waterproof and ruggedized for the roughest jobs.

Vuzix optics have defined the AR industry, and the M400 takes full advantage of our energy-efficient, ultrabright OLED display system. Share your perspective in superior detail with our 4K video streaming auto-focus camera, and get the remote assistance you need in real time. With noise-cancelling microphones, wide field of view, and voice inputs, you can keep critical data right where you need it while staying hands-free and heads-up.



# VUZIX M400™



## TECHNICAL SPECIFICATIONS

### 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 11 OS
- OS and apps OTA upgradeable
- MDM available from multiple partners

### CERTIFICATIONS

- Drop safe to 2 meters
- IP67 rated protection against water and dust
- IEC60601-1-1-2:2014 Medical Device
- ISO 14644-1 Class 2 Clean Room rating

### BATTERY CONTROLS

- 4 control buttons
- Voice control compatible
- 2 axis touchpad with multi-finger support
- 135mAh internal battery supports hot swapping of external batteries
- 1000 mAh IP67 certified USB-C battery with 3-level LED indicator (All Weather Kit)
- 4800 mAh USB-C power bank and power cable (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

### UNIVERSAL 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

### GPS

- GPS / GLONASS

### AUDIO

- Integrated speaker (up to 97db output)
- Triple noise-cancelling microphones

### CAMERA

- Up to 13-megapixel stills
- Improved auto-focus (PDAF)
- Streaming video at 1080p, 60fps
- LED flash/scene illumination
- Barcode scanning

### 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 50°C
- Operating humidity 0-95% RH
- Storage temperature -30 to 70°C per MIL-STD-810H
- Storage humidity 0-95% RH