



Vuzix Shield™ is a revolutionary leap for enterprise AR smart glasses.

Lightweight, stylish, prescription ready safety glasses and powerful 8-core CPU combine to deliver a singular wearable experience.

Connect to the metaverse accessing IT sensors, instructions, or live remote guidance, leaving your hands free. Scan codes with an advanced reader or wirelessly stream video from the field all enabled through voice or touch. With the world's first miniature microLED stereo displays, Vuzix Shield connects smart workforces with AR systems for optimized performance, safety and operational efficiency.

Stay focused in any work environment: Vuzix Shield's slim, binocular waveguides are powered by a pair of tiny, highly efficient microLED projectors. At

1 micron in size, the high density pixel arrays generate crisp video with contextual information to keep you working heads up and hands free.

Total control by voice or touch: Over the ear noise-cancelling headphones allow for flawless audio and advanced voice/UI interactions. Use the touchpad for ultimate versatility.

Keep your eyes safe, all day long: Vuzix Shield's ANSI Z87.1 safety certification and self-contained dual temple batteries will keep you comfortably protected and powered up for hours.

Access the information you need: Enhancing hands-free operation, the on-board processor wirelessly communicates with other devices via Bluetooth.

Connect to critical systems: Join Wi-Fi networks or leverage your phone's built-in LTE network connection via Wi-Fi hotspot.



TECHNICAL SPE



VUZIX SHIELD™

OPTICS

- See through Waveguide optics
- Displays: microLED monochrome green
- High brightness, high output

CPU

- 8 core CPU running Android 11

POWER

- Batteries in each temple

CONTROLS

- Voice control – supports multiple languages and accessible to 3rd party integrators via SDK
- Capacitive touchpad on side of glasses that will support left/right/up/down swipes and one- or two-finger taps.

AUDIO

- Integrated stereo speakers
- Digital noise-cancelling microphones
- Stereo speakers

CERTIFICATIONS

- ANSI Z87.1 safety certification

CAMERA

- Stereo 13-megapixel cameras with auto-focus
- Up to 4K 30fps video
- Integrated privacy LED
- Advanced optical reader includes barcode scanner

CONNECTIVITY

- USB 3.1 Gen2 over USB-C
- Wi-Fi 802.11/b/g/n/ac 2.4/5GHz
- Bluetooth 5.0 BR/EDR/LE
- Notification support with Android and iOS devices.



Scan Code for Details



Tipteh d.o.o.
Ulica Ivana Roba 23,
1000 Ljubljana

(+386) 01 200 5150
info@tipteh.si



VUZIX M4000™

Lightweight Comfort Meets Game Changing Optics

Vuzix M4000 smart glasses push the boundaries of what's possible in a wearable.

Only a purpose-built Qualcomm XR1 processor can power its advanced AR optical system. Paired with a durable lithium polymer battery that's truly hot swappable, and ruggedized for harsh use, this device is built to last.

Keep focused on the real world while viewing an unobtrusive ultrabright display, even in broad daylight. Our revolutionary see-through (non-occluded) waveguide optics have changed the way people think about smart glasses.

At just 3.5oz, the display is lighter than a deck of cards, delivering all-day comfort and heavyweight performance.



VUZIX M4000™



TECHNICAL SPECIFICATIONS

OPTICS

- See through Wave Guide optics*
- 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 11 OS
- OS and apps OTA upgradeable
- MDM available from multiple partners

CERTIFICATIONS

- Drop safe to 1 meter
- IEC60601-2:2014 Medical Device
- IEC60601-1:2005, AMD1:2012
- IEC60601-1-6:2010, AMD1:2013
- IEC60601-1-11:2015
- IP67 rated protection against water and dust (Longevity Series)

UNIVERSAL 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
- 1,000 mAh IP67 certified USB-C battery with 3-level LED indicator (All Weather Kit)
- 4800 mAh USB-C power bank (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

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
- GPS / GLONASS

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 45°C/-4°F to 113°F
- Operating humidity 0-95% RH
- Storage temperature 10-45°C
- Storage humidity 0-95% RH



Tipteh d.o.o.
Ulica Ivana Roba 23,
1000 Ljubljana

(+386) 01 200 5150
info@tipteh.si



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

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
- IEC6060-1-1-2:2014 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

tipteh

Tipteh d.o.o.
Ulica Ivana Roba 23,
1000 Ljubljana

(+386) 01 200 5150
info@tipteh.si

VUZIX Z100™

Developers Edition



AI Augmentation & Device Updates at a Glance

Vuzix Z100™ AI-enabled smart glasses offer the ultimate interface between workplace systems and human workers, rendering otherwise inaccessible information available at a glance. As the first AR solution that looks and wears exactly like a standard set of glasses, your workforce can receive AI guidance, critical updates, convenient workflow confirmations, equipment outputs, and notifications all while wearing a pair of glasses that won't make them stand out.

Advanced monocular waveguide optics, combined with our custom micro display engine, create a crisp, transparent image that can deliver all the important information from a user's smartphone, watch or workplace device, hands-free right before their eyes. Vuzix Z100™ smart glasses are the AR bridge between your AI augmented workforce and their devices.



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VUZIX Z100™

Developers Edition

TECHNICAL SPECIFICATIONS

OPTICS

- Display resolution: 640x480 monochrome green
- Display type: microLED waveguide
- Aspect ratio: 4:3
- Field of View: 30°
- Right eye display
- Prescription inserts available

POWER

- Internal battery
- 2+ days run-time

CONTROLS

- Temple touch

CONNECTIVITY

- Bluetooth Low Energy

DEVKIT

- Access to our complete Android and iOS SDKs, Vuzix Connect demo apps, and sample code.



Tipteh d.o.o.
Ulica Ivana Roba 23,
1000 Ljubljana

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info@tipteh.si



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VUZIX BLADE 2™

Performance AR eyewear for the deskless workforce

Vuzix Blade 2™ smart glasses deliver advanced waveguide technology in a stylish, grab and go form factor designed for the AR-enabled workforce.

Stream video at an impressive 60fps to share your view with colleagues and get remote guidance from anywhere; access real-time data, work instructions and mixed reality for the workplace.

See-through waveguide optics provide a private, ultrabright display delivering crisp full-color images both indoors and in sunlight. The slim, lightweight form factor was designed for comfort, and is available with optional prescription inserts. With a variety of apps available, noise-canceling microphones, and an ANSI Z87.1 certification, the Vuzix Blade can tackle almost any AR work assignment.



Scan Code
for Details





VUZIX BLADE 2™

TECHNICAL SPECIFICATIONS

OPTICS

- Display resolution: 480x480 color display
- Display type: Waveguide Projection Technology
- Aspect ratio: 1:1
- Field of View (diagonal): 16.8 degrees, equivalent to a 5 in. mobile device screen seen at 17 inches
- Brightness: > 2000 nits
- 24-bit color
- Supports right eye
- Prescription inserts available
- All lenses UV protected

CERTIFICATIONS*

- Full UV protection lenses plus ANSI Z87.1 safety certification

CONNECTIVITY

- USB 2.0 Micro-B
- 5.0 and 2.4GHz WiFi and Bluetooth wireless

CONTROLS

- Multilingual voice control compatible
- 2-axis touchpad with multi-finger support
- Head motion tracking
- Companion app for Android & iOS devices

AUDIO

- Integrated speakers
- Dual noise-cancelling microphones

CAMERA

- Up to 8-megapixel stills
- Auto-focus
- Streaming video at 1080p, 60fps
- Integrated barcode scanner

INTEGRATED HEAD TRACKER

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

ENVIRONMENT

- Operating temperature 0°C to 35°C
- Operating humidity 0% to 95% RH
- Storage temperature -30°C to 70°C
- Storage humidity 0% to 95% RH

SYSTEM FEATURES

- Android 11 OS
- Quad Core ARM CPU
- 40GB built-in memory
- Internal LiPo rechargeable batteries



Tipteh d.o.o.
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1000 Ljubljana

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info@tipteh.si