



Hands-Free Performance in Demanding Conditions

Purpose-built for hands-free operation in the field or warehouse, Vuzix LX1™ smart glasses enhance productivity by combining a powerful onboard processor and heads-up color display. With integrated voice control and at-a-glance access to workflows, AI agents, and picklists, workers can tackle any field maintenance, inspection, or pick and pack duty without taking their eyes off the task at hand.

The Vuzix LX1™ is built to withstand the toughest environments. Its rugged durability, freezer rated operating temperatures down to -20°C, and a full-shift 7000mAh battery make it the perfect tool for extreme duty. A powerful 12MP camera, Qualcomm® processor, and enhanced microphone array enable continuous, voice activated scanning and streaming for a safer, more efficient workforce.

DEVICE SPECIFICATIONS

OPTICS

- Display: High resolution OLED
- Brightness: > 2000 nits
- Contrast: > 10,000:1
- Supports left or right eye use

SYSTEM

- Qualcomm® octa-core 2.4 GHz processor
- 6GB LPDDR5 RAM
- 128GB internal flash memory
- Android 15 OS
- MDM available from multiple partners

SECURITY

- Secure Boot; Verified Boot

POWER

- Removable 7000mAh battery

CONTROLS

- 4 control buttons
- Voice control

CONNECTIVITY

- Wi-Fi 6E
- Bluetooth 5.3
- NFC

AUDIO

- Integrated speaker (up to 90db SPL at 5cm output)
- Triple noise-cancelling microphones

CAMERA

- Up to 12-megapixel stills
- Auto-focus
- Streaming video at 1080p, 60fps
- LED flash/scene illumination
- High accuracy barcode scanning

INTEGRATED HEAD TRACKER

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

MOUNTING

- Variety of mounting options including cap, hardhat, headband and more

ENVIRONMENT

- Operating temperature -20°C to 55°C (-4°F - 131°F)
- Operating humidity 0-95% RH
- Storage temperature -20° to 60°C per MIL-STD-810H
- Storage humidity 0-95% RH

