

VUZIX BLADE®

Augmented Reality Smart Glasses

Waveguide Optics Tech Sheet



Immediate mobile access to patient data & tests



Operate the Vuzix Blade with your voice or the built-in touchpad for silent control

What's a Waveguide?

Waveguides are thin, transparent, optical elements that take a projected virtual image and relay it to the eye while expanding the viewing window at the same time.



Advanced Optics & Everyday Wearability

Vuzix Blade Upgraded Smart Glasses deliver a stylish and comfortable connection between the digital world and the real world, providing unprecedented access to the apps you need. The see-through Waveguide optics keep you focused on what's right in front of you, giving you the ultimate in hands-free, heads-up control.

Vuzix Blade® Smart Glasses

VUZIX BLADE®

Advanced Waveguide Technology



On-the-go



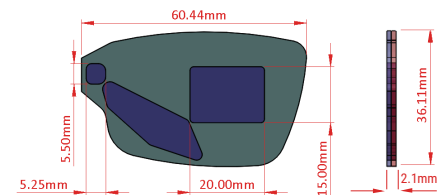
Real-time, hands-free information



Receive work instructions on the job

WAVEGUIDE SPECIFICATIONS*

- Field of View: 13.7° (H) x 13.7° (V); 19.4° (D)
- Eye Box: 16.4mm x 11.4mm (HxV)
- Eye Relief: 15mm
- Focus Distance: infinity
- Display: 480 x 480 pixels
- Transparency: 87%
- Peak Brightness: >3300 cd/m²
- Average Brightness: >2500 cd/m²
- Brightness Uniformity: >40%
- Contrast: >50:1
- Efficiency
- Configuration: side injected



0.5mm covers can be added

TECHNICAL SPECIFICATIONS*

Optics and Electronics

- Waveguide based see through optics
- Vibrant full color display
- Right eye monocular
- Quad Core ARM CPU
- 8 Megapixel camera (with auto-focus)
- Android OS

Controls

- Voice control – multilingual
- Touch pad with gesture
- Head motion trackers
- Companion app for Android & iOS devices

Audio

- Full BT functionality
- Noise canceling microphones
- Built-in audio

Battery

- Internal LiPo rechargeable batteries

Versatile Eyeglass Options Available

- Prescription inserts
- All lenses standard with UV protection

Connectivity

- microSD expansion slot
- 2.4GHz WiFi and Bluetooth wireless
- Micro USB

Blade Provides Total Functionality

- Loaded with features that help you stay connected and active when on the go
- Take calls, check messages, listen to music while jogging, hiking, walking, or exercising – all without touching your phone
- Text a friend, check appointments, take pictures – all with voice commands
- Enables location aware content providing access to shopping data, travel routes, Yelp Scores and more
- Check and add content to Facebook and other social media
- Play games and watch videos
- Record life's best moments with photos and videos
- Calendar alerts to see invitations or what's next
- Daily assistant – see what and when you need it

* Specifications subject to change without notice.

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