The Reality Spectrum

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ABI Research

Augmented Reality & Virtual Reality

REALITY SPECTRUM





Augmented Reality

















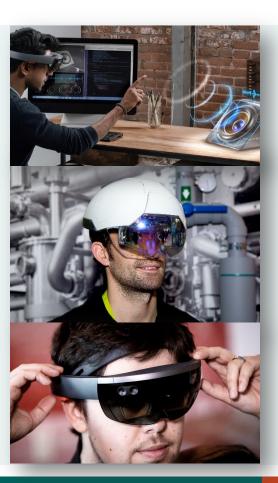


Simultaneous Generations

 $1.0 \to 2.0 \to 3.0$







Hardware Considerations



Connectivity

Performance vs. Battery

Durability

Monocular vs. Binocular

Price

Comfort

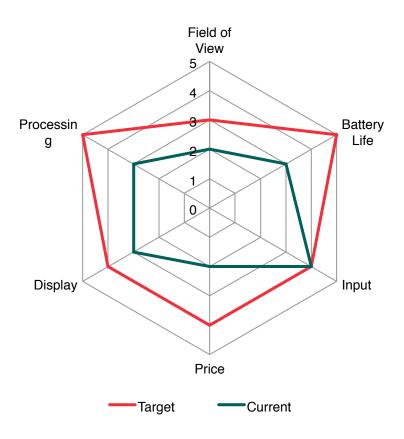
Primary Use Cases

Adaptability

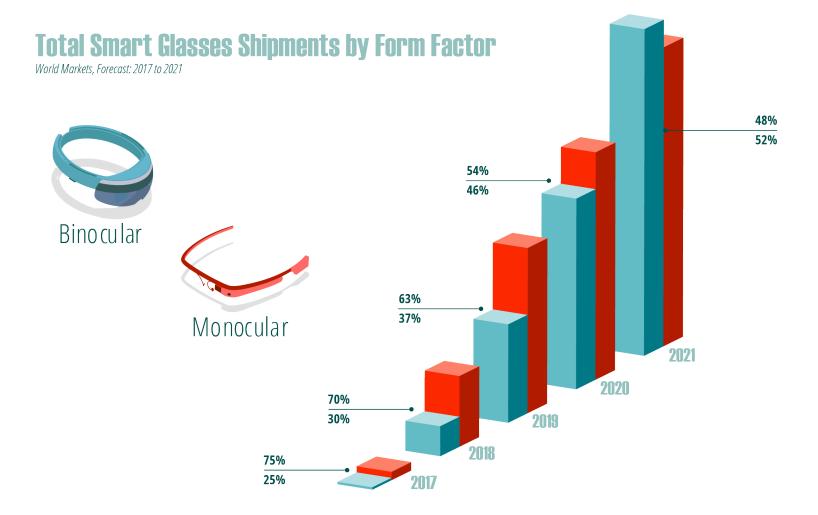


2D vs. 3D

Mixed Reality: State of the Hardware



- Field of View is instantly noticeable
- Battery life is acceptable but lacking
- Input is furthest along
 - Voice
 - Gesture
 - Gaze
 - Touch
- Price is objectively high
- Display quality is good, but form factor is not (yet)
- Processing faced with form factor, heat, and battery obstacles



Mega Mobile

Strong Install Base of Both New and Old

363 million smartphones with embedded vision by 2021













Thank You Eric Abbruzzese

Related Research

Upcoming Research

- Augmented and Virtual Reality Database (MD-ARVR-103)
- Augmented Reality Competitive Assessment (CA-1233)
- Augmented/Mixed Reality SI and VAR Market Tracker (MD-ARSV-101)
- Augmented and Mixed Reality Database (June)
- AR Content Creation and Application Marketplaces (June)
- Display Tech (July)
- AR/MR Sensors (September)