

Making bike rides safer!

Nearly 1,000 bicyclists die and over 130,000 are injured in crashes that occur on roads in the United States every year.



Workout with a virtual coach without going to the gym!

The US fitness industry revenue in 2021 was \$33.25 billion. In the United States, 39% of Americans hold gym memberships.



Prominent attempts in past



2011 - 2015

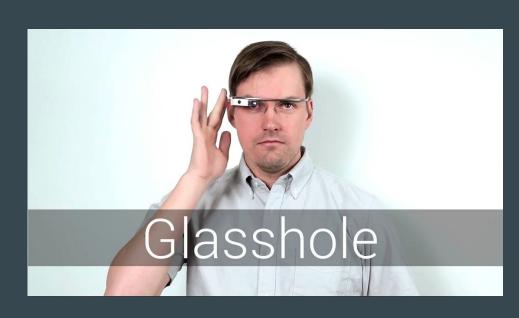


- Designed by Google X
- Marketed as "hands-free" replacement for smartphone
- Time Magazine "Invention of the Year" 2012



Challenges

- Price (\$1500)
- Smartphone have better hardware & camera
- Battery drain with GPS navigation & video features
- Privacy concerns
- Limited App Ecosystem
- Social acceptance



Why will it succeed NOW?

- Cost reduction + Lightweight
- Better battery life + hardware
- Improved looks
- Industry adoption (shows improved efficiency)
- Killer applications (AR/VR)
- Growth of wearable technology



Introducing next generation Smart Glasses

Smart Glasses will transform the way we live and interact with the world



- Play
- Explore
- Communicate
- o Work
- Thrive
- Entertain

Market Research

Potential Smart Glass Market Segments

Sportswear (\$161 billion)



Social media (\$230 billion)



Surgical (\$29 billion)



Industrial Wearable (\$4 billion)



Consumer oriented smart glasses for sports

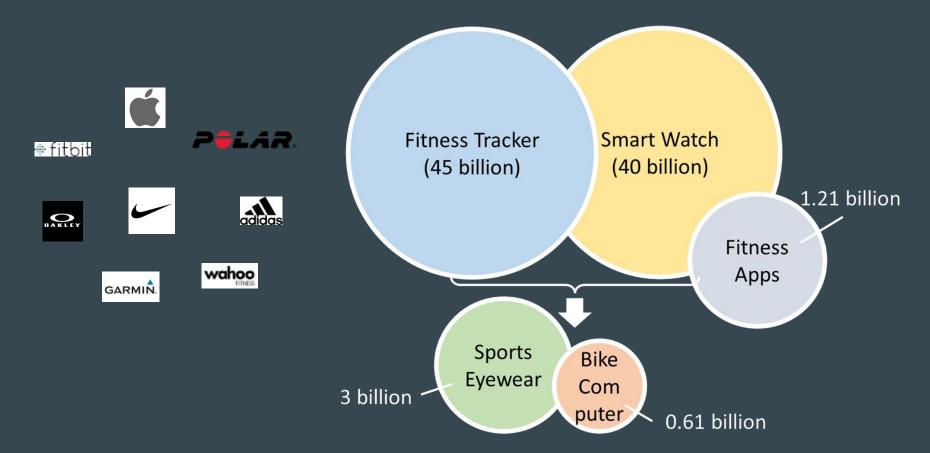


Features:

- Camera
- Speakers
- Touch pad
- Display overlay
- Bluetooth



Market size of potential smart glasses for sports



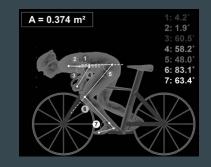
We see market developing in 2 tiers : Base & Pro

Base Model for Entry Level Users

- Hands free Navigation
- Real-time data
- Listen to music, podcast, hand-free voice lita 3:05PM
- Other safety feature



Advanced Model For Pros



- Display data with better ergonomics and aerodynamics
- Improve performance
- Real-time communication with support team
- Light weight

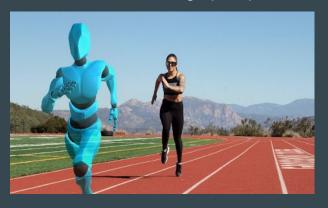


Long Term Vision - augmented reality (AR)

Immersive gaming experience to hit fitness goal

Ghost runner to benchmarking sport performance







Virtual group biking/running with friends

Zwift is the largest multiplayer online cycling and running physical training program that has ~1M users.

Current Players

EverySight Raptor (introduced in 2017)

- 1. Very expensive \$649
- 2. Bulky, Heavy (98g), limit wearability for some helmet
- 3. Battery (8h)
- 4. With camera and touch pad
- 5. Cannot change lenses for different weathers



ENGO

- 1. Display only; need to work with cell phone or bike computers
- 2. Still not cheap \$329.95
- 3. Lightweight (35g, the display unit is only 6g)
- 4. long battery life (12h)
- 5. Charge time 3h
- 6. No changeable lens. (photochromic lens in the future?)



Garmin Varia (2016)

- 1. Expensive \$400
- 2. Clip-on, Aesthetics are not great
- 3. Battery (6h)



What is the winning formula for Smart Glasses in 2023 and beyond?

Top Quality Hardware

Innovations since Google Glass 2013 launch

• Weight : 2 pounds \Rightarrow 100g

• Display : $640x360 \Rightarrow 4k$

• Battery Life : 3 hour \Rightarrow 8 hour

• Price : $$1500 \Rightarrow 800



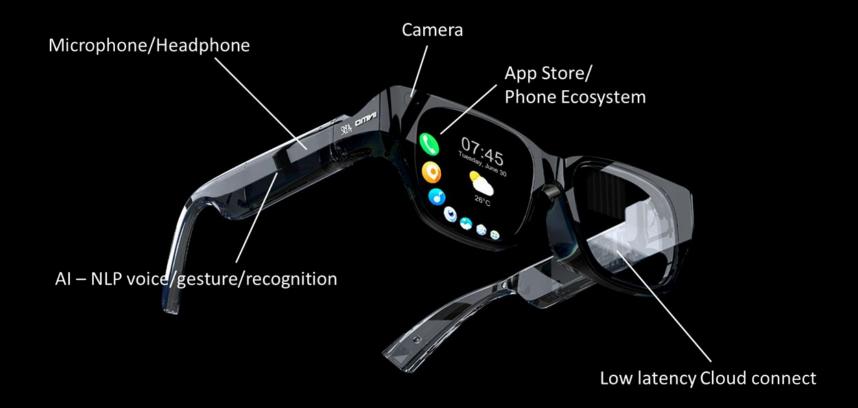


Learning from advances in mobile phone technology

- Low Power Sensors
- Low Latency, High Throughput Networking
- Noise cancelling
- Al Features
- Hi-Res Camera



Al & Cloud - the winning ingredients



Winners



LEARN FROM MISTAKES

HARDWARE DIVISION

STRONG AI DIVISION



CONSUMER PRODUCT GIANT

HARDWARE EXPERTISE

AI + APP STORE + iCLOUD(Privacy)



AI/AR/VR

BOUGHT OCULUS

GAMING MARKET

A glimpse into the future - Apple





Apple Glass patent reveals killer feature for mass appeal

By Kate Kozuch last updated June 06, 2020

Apple Glass could provide the ultimate prescription lens solution

Apple Glasses could skip the display and beam images into your eyes

By Tom Pritchard last updated November 13, 2021

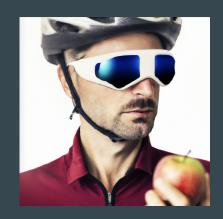
No 'retina display' jokes please

Apple Glasses delayed 'indefinitely' — but a cheaper VR/AR headset could be coming

By Tom Pritchard published January 18, 2023

Apple Glasses could be on the backburner while Apple makes mixed reality more affordable

A safer ride to the finish line!



THANK YOU!

