

Smart Glasses

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What's to come?

- ❑ Smart glasses are a form of augmented reality.
- ❑ Smart Glasses are a young piece of technology
- ❑ Smart Glasses were created for many purposes
- ❑ Smart Glasses come with several ethical concerns

Availability

- ❑ Augmented Reality vs. Virtual Reality
- ❑ Conclusion

Smart glasses are a form of augmented reality.



- ❑ Augmented Reality: Adds senses to the existing, real environment.
- ❑ Integration of virtuality into the tangible world
- ❑ Wearable computer in the form of glasses
- ❑ Not currently designed for full time wear
- ❑ Human Computer Interface control

Smart Glasses are a young piece of technology.

- ❑ First prototyped in late 2012
- ❑ APX Labs has prototyped many Smart Glasses, including the first ever
- ❑ Google Glass was a breakthrough for Smart Glasses .Manufactured by Foxconn Technology Group



Smart Glasses were created for many purposes.

- ❑ Capture personal experiences from the POV(point of view) of the user
- ❑ Navigate the user on roads or indicate speeding
- ❑ Universal remote control with compatible devices through hand gestures
- ❑ Sighted companion for blind people by giving them information through vibrations
- ❑ Students can view textbooks and virtual 3D worlds
- ❑ Promotes playing outside and interaction with others
- ❑ Can display performance measurement and comparison



Smart Glasses come with several ethical concerns.

- ❖ Privacy issues
- ❖ Potential threat of cheating on exams
- ❖ Distracting

Examples:

- Google Glass
- Meta
- Ather One
- Vuzix M-100

Price:

(\$300-\$1600)



Augmented Reality vs. Virtual Reality

Augmented Reality:

- ❖ Surroundings enhanced by the use of virtual objects
- ❖ User can see the real world along with the virtual one
- ❖ User can interact with the virtual objects



Virtual Reality:

- ❑ Creates a virtual world where the user can immerse themselves in
- ❑ See the virtual world only
- ❑ Direct movements affect the virtual world

Conclusion

- ❑ Smart Glasses are a form of augmented reality
- ❑ Promising technology that comes with many ethical dilemmas
- ❑ Not the same as virtual reality
- ❑ Learned what augmented reality is and more behind the application and technology of Smart Glasses





Thank You

