

Hardware

- Google Cardboard as found on Amazon: [Amazon Google Cardboard](#) Also available to buy from Google: [Google Cardboard](#) (only \$25 for two, if we want to buy two for whatever reason)
 - Pros:
 - Cheap (\$15.00)
 - Compatible with all phone types and sizes 4"-6".
 - There is a google cardboard app with many preexisting videos
 - Cons:
 - No head strap
 - Not extremely safe for phone
 - Lacking on comfort and durability
 - The google cardboard would be a good buy for the fact that it is the most basic and cheap on the market. Software: utilizes any apps on smart phone with 360 VR videos.
 - **After some use:** Assembly is simple and it functions well. Surprisingly secure for phone and comfortable up until around 10 minutes of use. Does have head strap and clear image. Button is inconsistent but very handy when it works.
- Canbor VR Headset as found on Amazon: [Amazon Canbor VR](#)
 - Pros:
 - Compatible with all phone types and sizes 4"-6".
 - Includes remote
 - Adjustable strap and lens distances
 - Much more secure phone holder
 - Cons:
 - A little more expensive (\$27.99)
 - This one would be a smart buy because it is the next step up in quality from the google cardboard and features a remote. Software: utilizes any apps on smart phone with 360 VR videos.
 - **After some use:** Feels a little heavy. Remote pairs with phone and makes controls very easy. Focal adjustments are nice, allow me to watch with or without glasses. Sometimes

difficult to get clear image and trouble with holder pushing buttons on side of phone. This one doesn't seem very necessary if you have a cardboard.

- Beneve VR Headset as found on Amazon: [Amazon Beneve VR](#)
 - Pros:
 - Does not require device, built in android operating system
 - Focal adjustments
 - Full built-in controls to navigate
 - Cons:
 - More expensive (\$168)
 - No HDMI port
 - This one would be the one to get if you wanted to avoid using a smartphone, as everything is built in. Software: utilizes apps that can be downloaded using built in operating system as well as the application that comes with the device.
 - **After some use:** Very comfortable and sharp image. Wifi dependent. Have had trouble getting 360 YouTube videos to play. Once I click one a 360 video that YouTube app closes. There does seem to be potential for uploading simulations to the device.

- Beneve VR with HDMI : [Amazon Beneve HDMI](#)
 - Essentially same as other Beneve, but include HDMI input with HDMI cable
 - (\$225)

- TYVeRa VR Headset as found on Amazon: [TYVeRa VR](#).
 - Pros:
 - Comfort and quality
 - HDMI in
 - Cons:
 - Expensive (\$299)

- This would be something to get if you needed a very good quality viewer that can be connected to a PC. Software: utilizes video source that it is connected to.

I believe the google cardboard and/or Canbor viewer would be smart to start out with. The Canbor seems to be a nice step up in quality from the cardboard, and it is not overpriced. Having these will allow us to see what can be done with the so far cataloged sources. In the future, something like the last two devices could be considered if we wanted or needed to make use of their specific abilities.