

What is 3D?

You have seen 3D if you saw Avatar or one of the 3D films at the cinema. And, no it is not the same as 3D animation. 3D photography is also known as stereoscopic photography.

Is 3D new then?

No, 3D or stereo were some of the first photographs ever taken. Indeed in the 19th century stereographs as they were then known (with two images side by side on a cardboard backing, viewed through a small optical viewer) were more popular than standard 2D or as we like to call them flat photographs.

Why 3D still photography now?

Because, like colour, it adds more reality to the image. You feel as though you are really there! It is after all how we all see the world, isn't it?

What is the future for 3D photography?

Two synchronized digital cameras or specialist two lensed cameras. Also 3D 360 Virtual Reality and holography. The easy way into seeing standard 3D is to use a Virtual Reality (VR) headset or 3D TV. Just look at a side by side 3D image – and wow, you are there.

How do I do it myself?

Use your camera and take two photographs, each taken about the distance between your eyes. Combine so that the left then the right are side by side on the one photograph. Then view through a VR Headset such as Google Cardboard. Or you can “free view” either a parallel pair (stare to the distance and then focus) or cross-eyed. Better still, come to the Sydney Stereo Camera Club to see images projected (like at a 3D cinema) and more importantly learn how to take fantastic 3D images with depth! The Sydney Stereo Camera Club meetings are held on the third Tuesday of each month, except December.

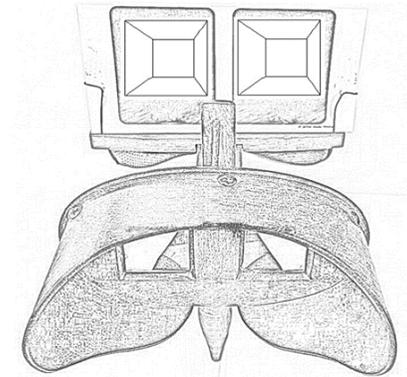
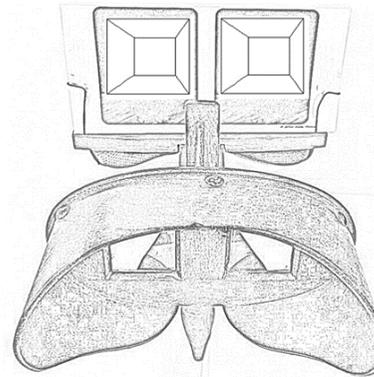
Please visit our Sydney Stereo Camera Club website at

www.oz3d.info

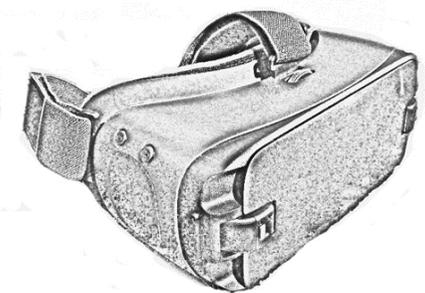
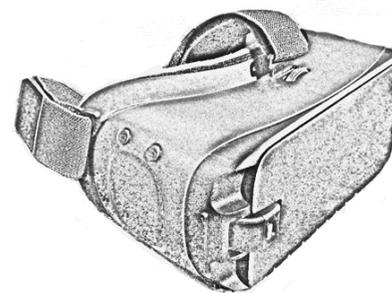


Parallel view

Cross-eye view



Holmes Stereoscope c.1861 showing a Holmes Wheatstone stereograph c. 1838



Samsung Gear VR (Virtual Reality Headset) with mobile phone c. 2016