

Stereoscopy: in brief



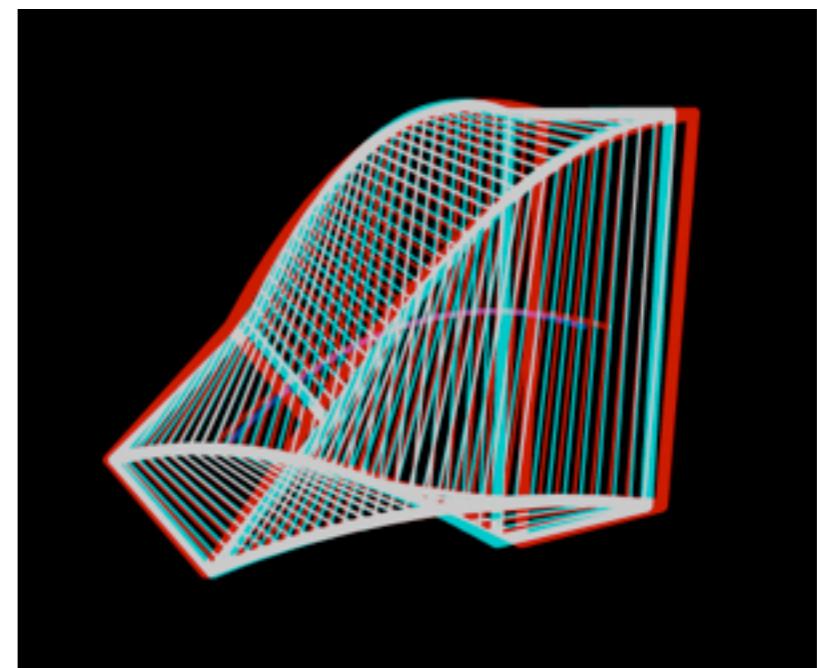
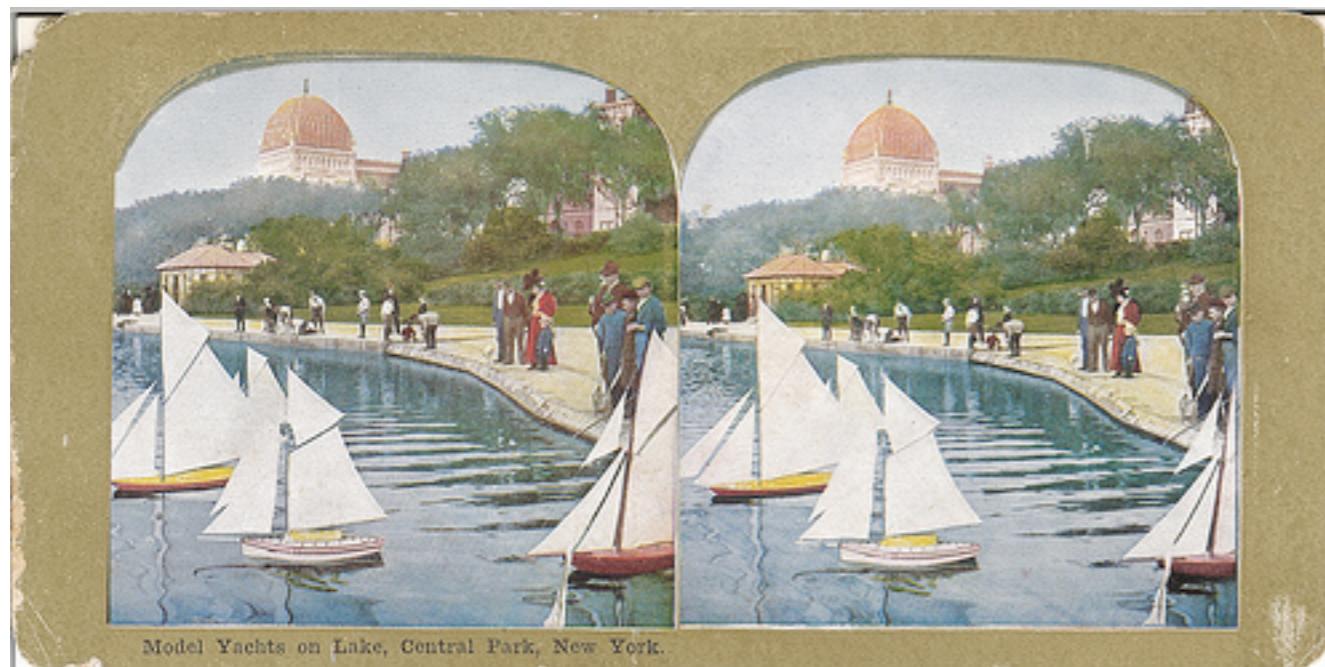
Stereoscopy is technique that creates a 3d effect to add the illusion of depth to a 2d image

A stereogram is any stereoscopic image

A stereoscope is a device used to view a stereogram

Most stereoscopic techniques present two offset images to each eye (left and right views)

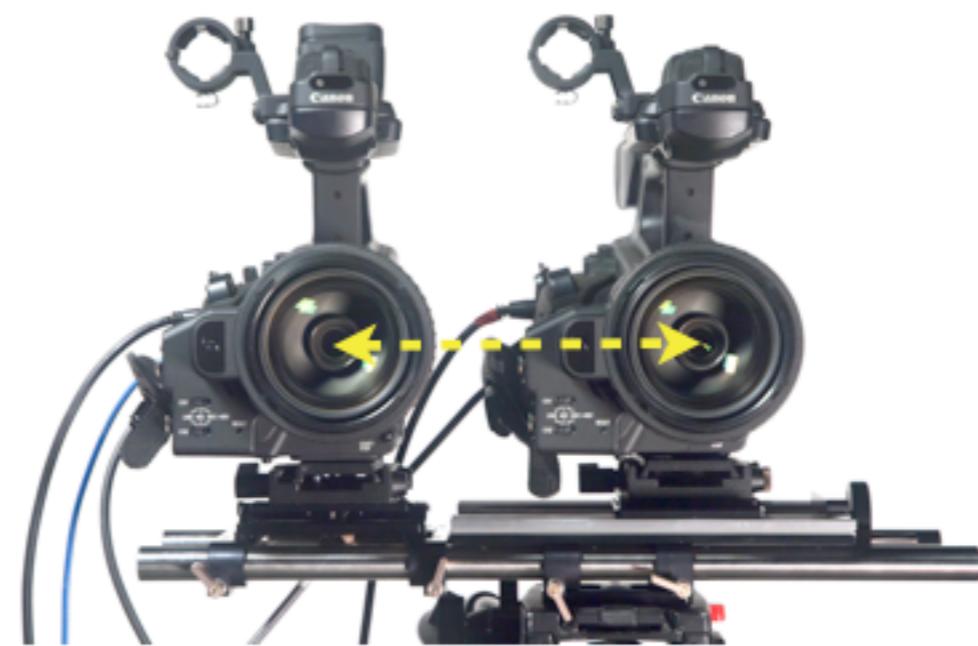
Stereo images can be created through photography, video or computer renderings



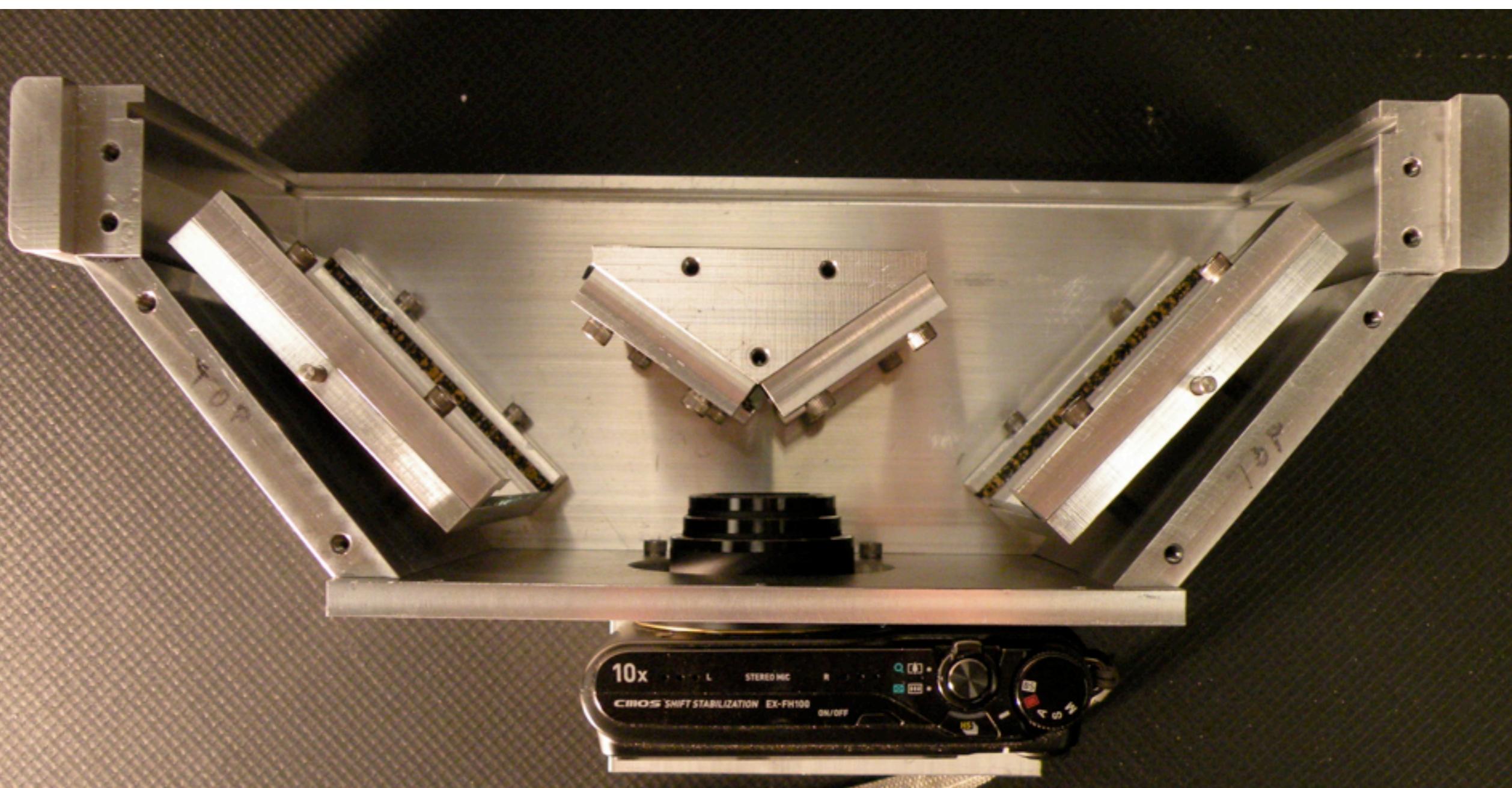
Stereoscopic Cameras



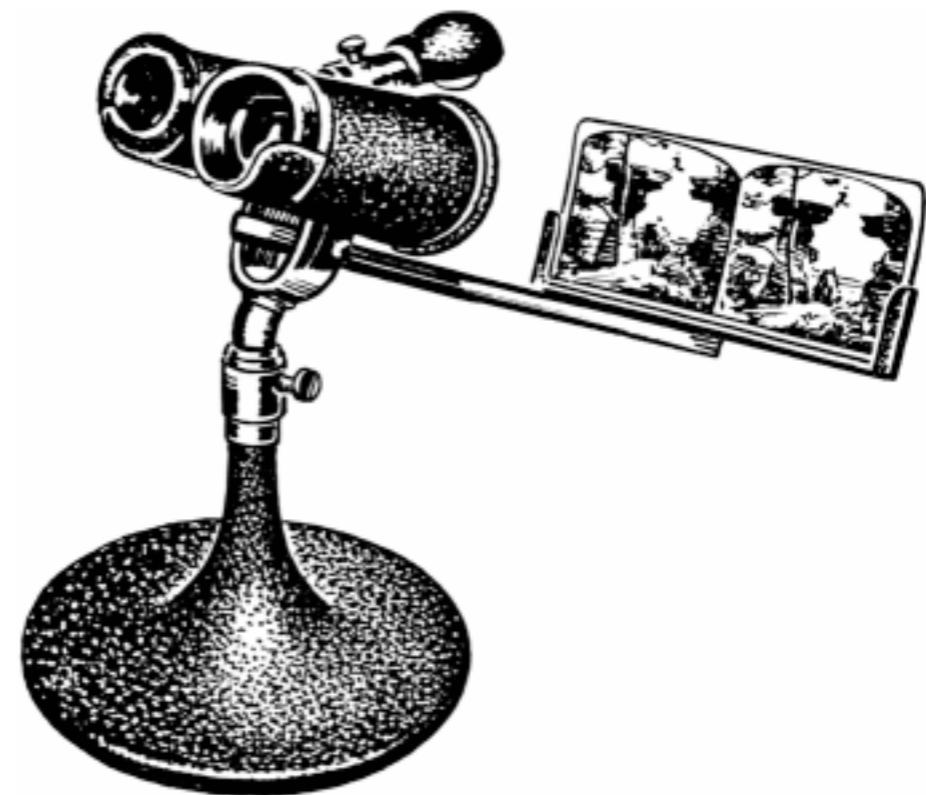
(c) WestLicht Auction



FRONT VIEW (Top Off)

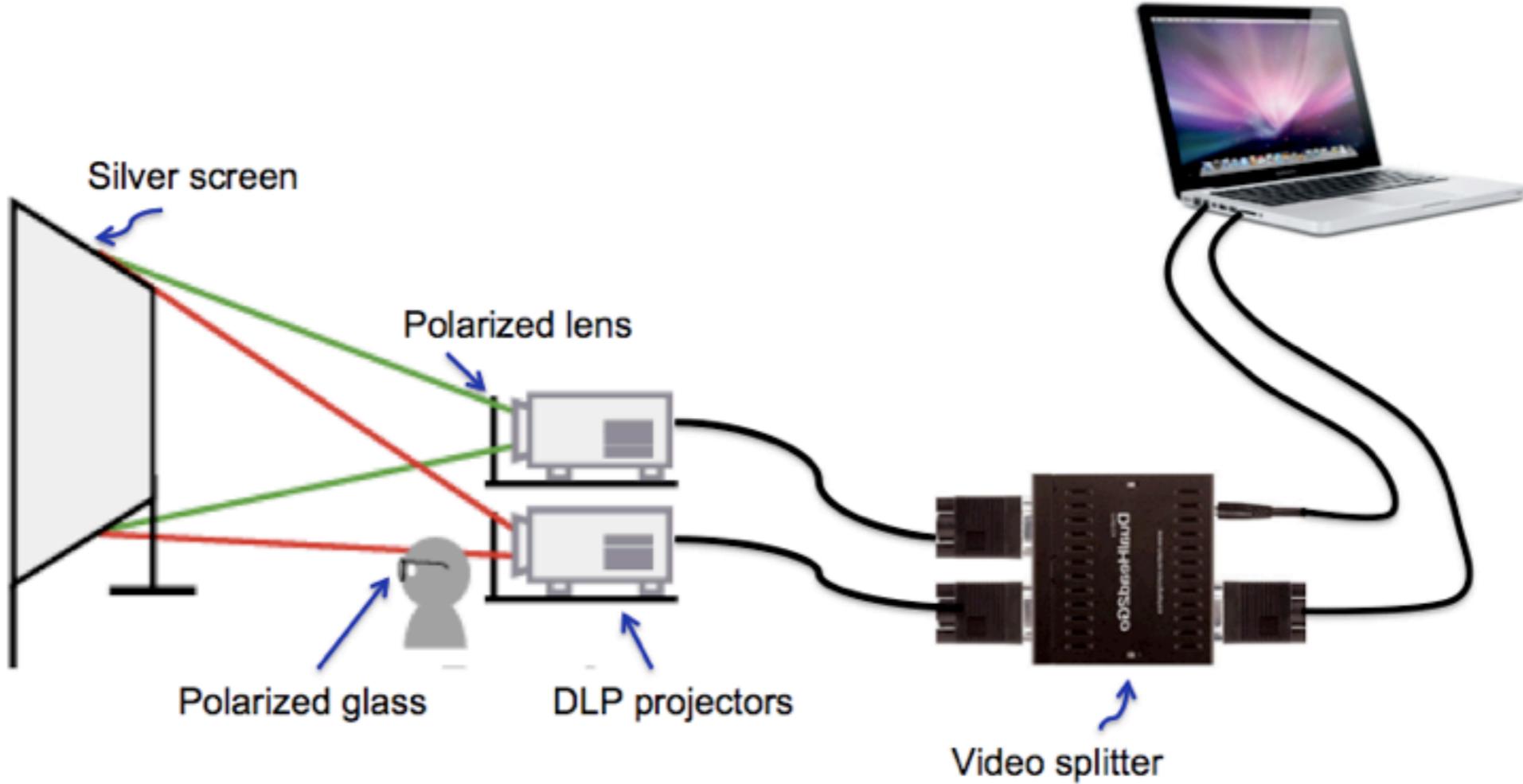


Viewing stereoscopic images



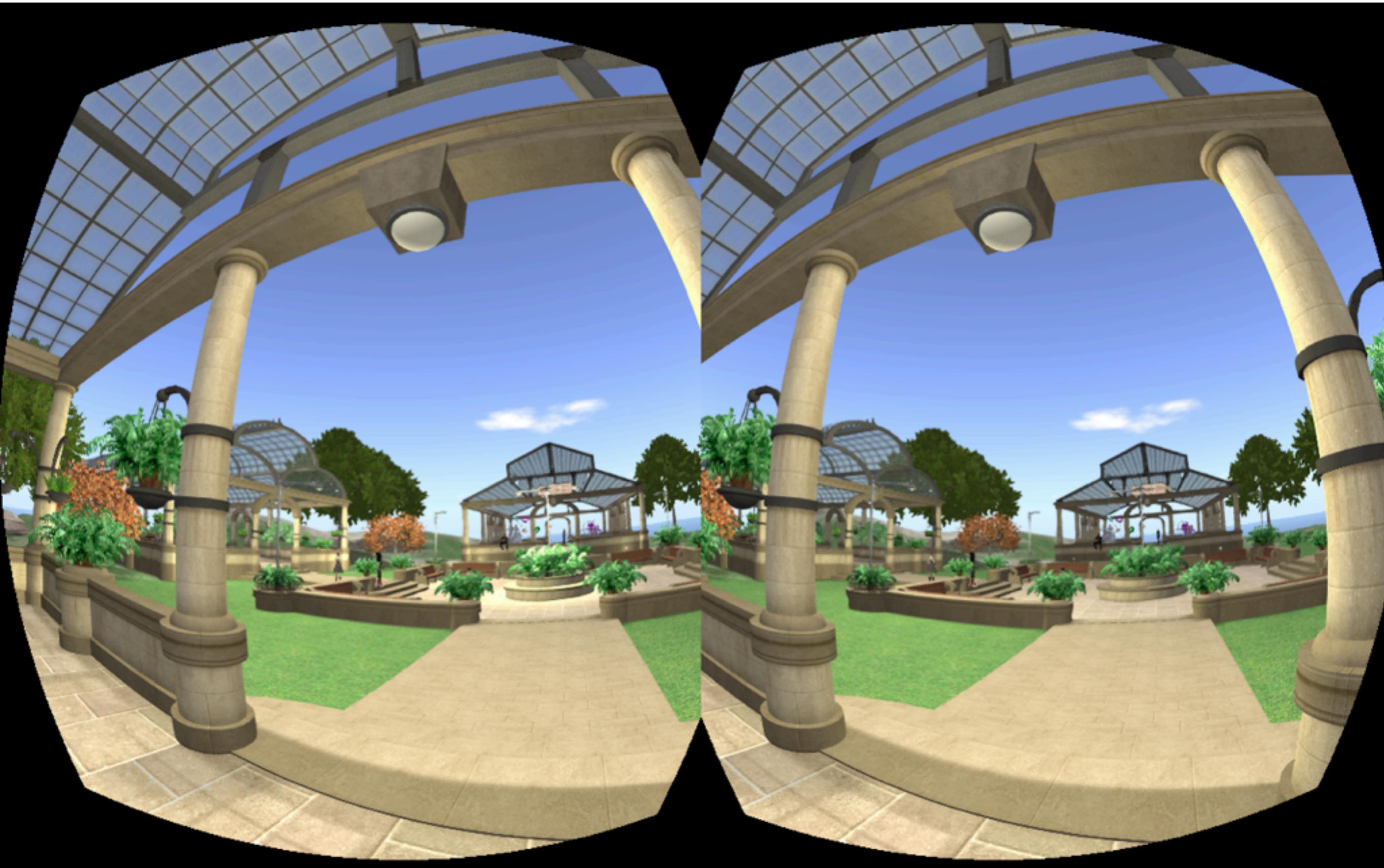










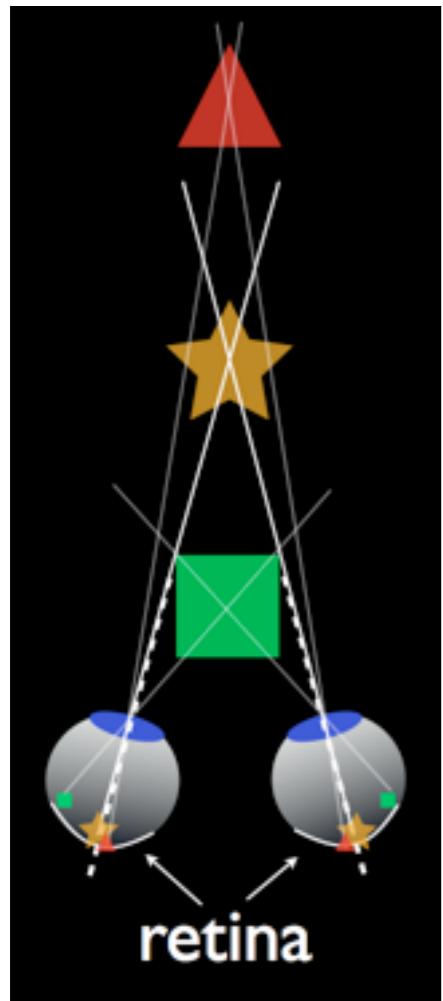




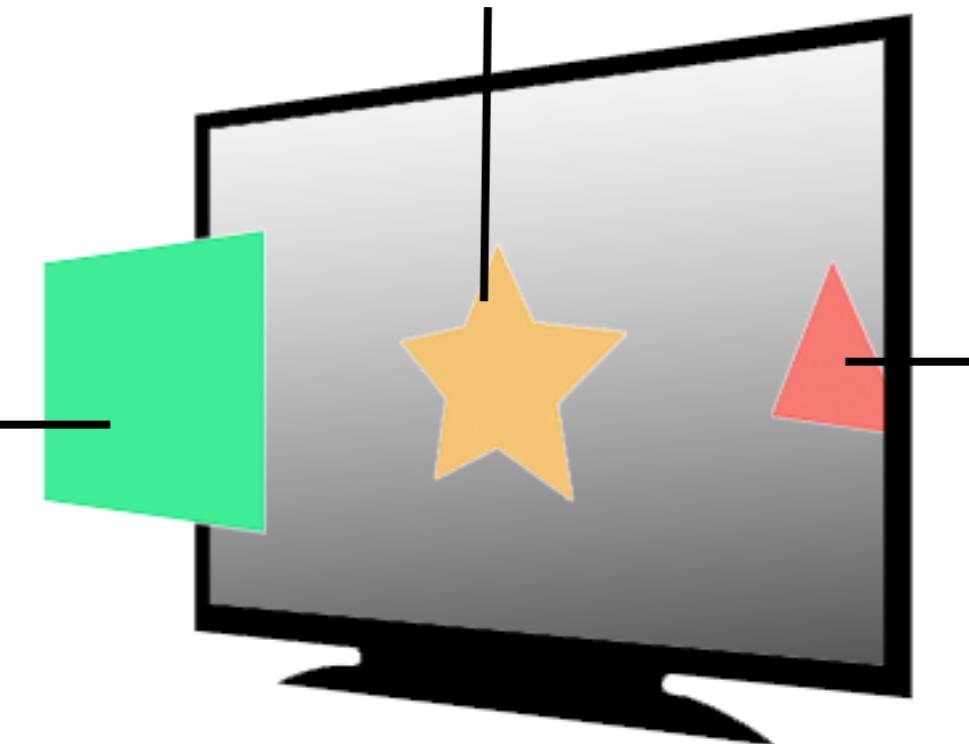
Window Plane, Convergence and Parallax

convergence:

angle formed by your eyes and observed object (object in focus)



negative
parallax



on window plane
zero parallax

positive
parallax

Stereoscopic Frustum (3D scenes)

Perspective View Frustum

