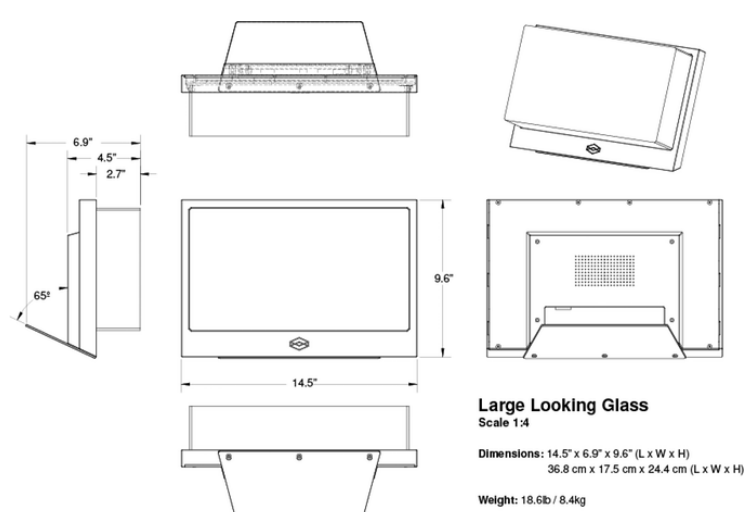
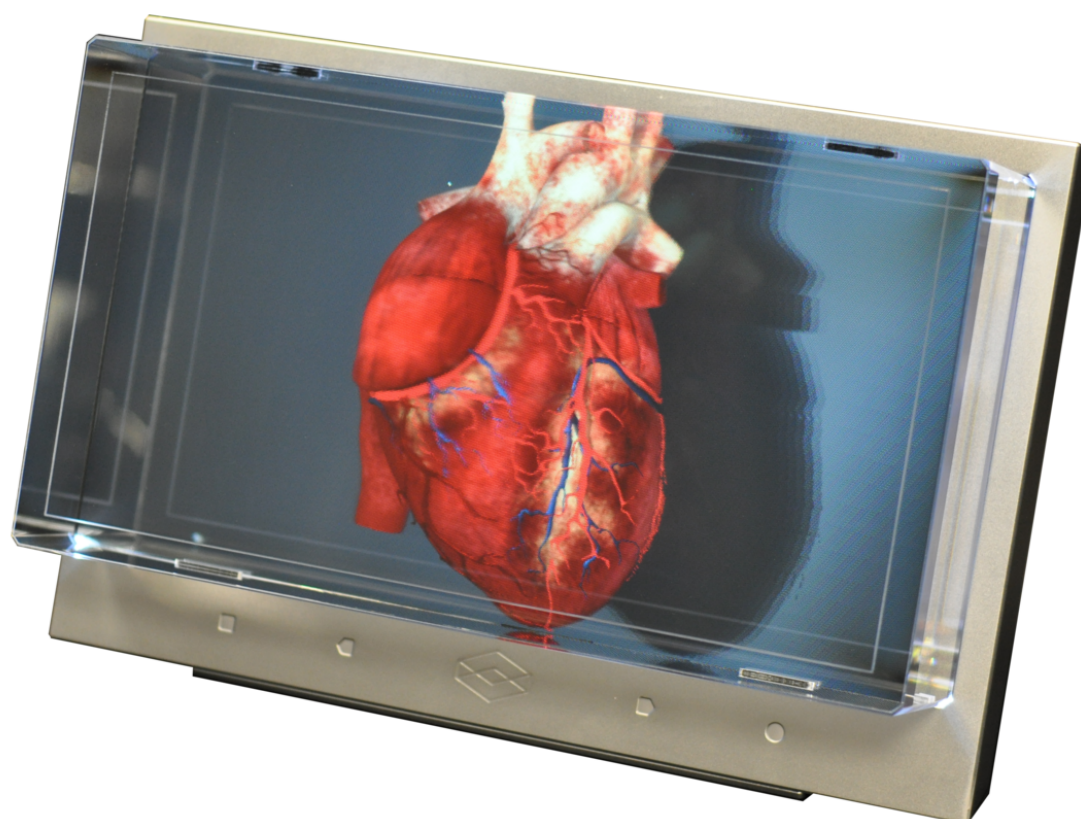


# Looking Glass

## 3D Light Field Display

Holoxica is an authorised reseller for the [Looking Glass Factory](#) light field display that is capable of showing full-colour 3D animations without needing glasses or headset. The display comprises an LCD screen, an optical array and a combiner block. It can show 45 unique view points within a viewing zone of 50 degrees. It supports graphics software frameworks such as Unity and Unreal Engine. It also runs Holoxica's [Holoviewer](#) app and content, as well as the experimental [VolumeViewer](#) app.



## Display Specifications:

Screen	15.6 inches (8.9 inches also
Diagonal	available)
Field of View	50 degrees

Angular Resolution	45 views
Spatial Resolution	8.29 Million rays
Viewing volume	8.3 litres
Viewing distance	1.0 m typical
Refresh rate	60 frames/sec (video)
Colour	16M RGB
Interfaces	HDMI, Displayport, USB
Power consumption	20 W
Dimensions	36.8 x 17.5 x 24.4 cm (L x W x H)
Weight	8.4 kg / 18.6 lb

## Applications

- Medical education and training
- Scientific data visualisation
- Simulation
- Engineering design
- Architecture & construction
- Maps and surveys
- Military & aerospace

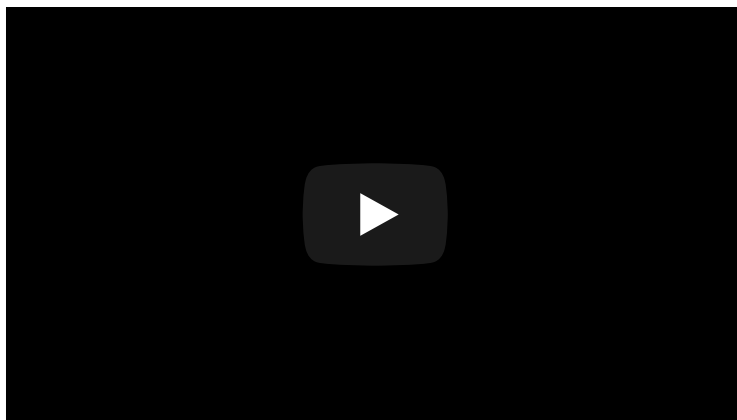
## Data Formats

- Common graphics: OBJ, gltf, fbx
- 3D Printing: STL
- Volumetric: Dicom, nrrd
- Mathematics: Matlab, Mathematica

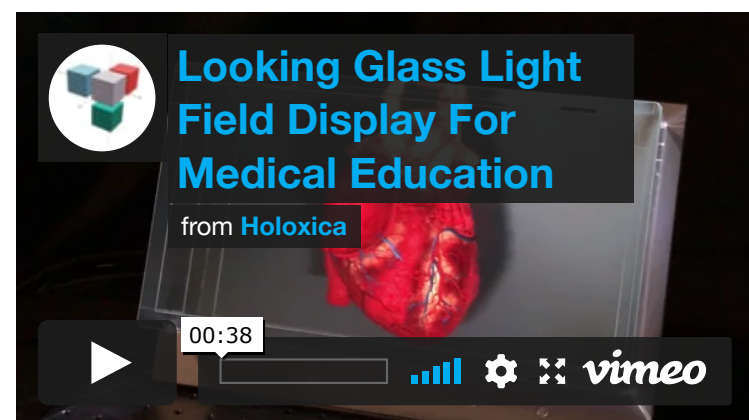
- Molecular: PDB, MOL
- Scan: point cloud, XYZ, sonar, LiDAR
- Graphics design: 3DS Max, Maya, Blender
- CAD: AutoCAD, ProEngineer
- Custom data, raw data



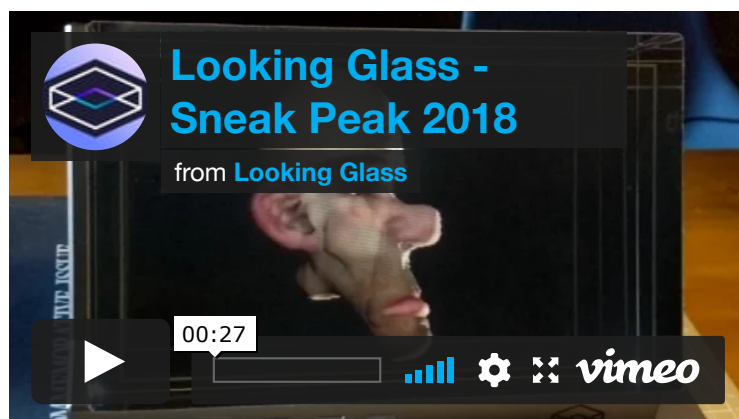
Presentation of the Looking Glass  
Holographic Display



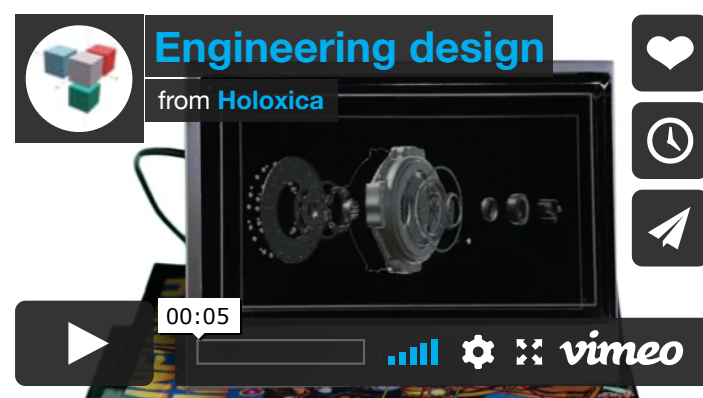
Medical Education Application



Animation & Computer Graphics



Engineering designs. Courtesy of Looking  
Glass Factory.



For more info, [get in touch](#) or give us a call on +44 (0) 131 618 2142

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