

Introducing

Looking Glass Portrait

Your first personal holographic display
designed for people, real and imagined.



A holographic display so advanced, it's simple.

If you're wondering if you're the type of person that could own their own personal holographic display...the answer is yes.

MSRP \$349



Holographic Photos

Depth photos from phones

High quality light field capture

3D scans with Photogrammetry & LiDAR

2D to 3D conversion

Holographic Videos

Depth video production

Microsoft Azure Kinect

Intel RealSense

Record3D

Characters & Digital Humans

3D Models made in 3D design software



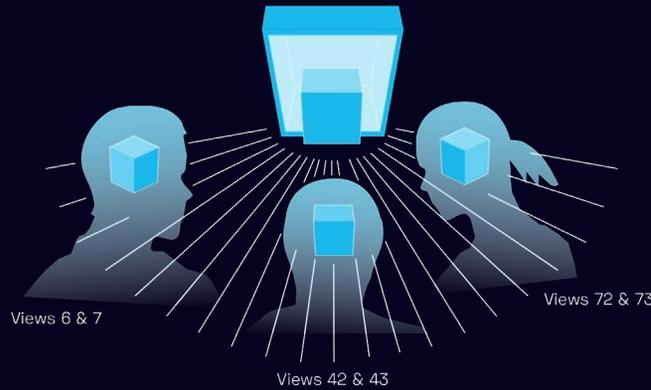
Interactive Applications

Unity & Unreal plugins



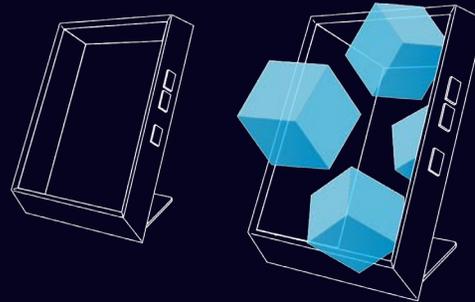
Superstereoscopic

Looking Glass Portrait is powered by the next generation of light field technology. The display works by generating between 45 to 100 views of a three-dimensional scene and projecting those perspectives simultaneously.



Advanced Optics

Unlike other AR/VR or 3D monitor technologies which can sometimes cause nausea and discomfort, the Looking Glass Portrait produces a viewing experience that is as comfortable as you'd experience looking at the real world.



Standalone Functionality

Looking Glass Portrait is the first system of its kind with the ability to run in Standalone Mode, thanks to a built-in computer (Raspberry Pi 4) and a proprietary holographic software stack that can run high-fidelity recorded holographic media at up to 60fps.

3D Capture Formats



iPhone
Portrait Mode



RGB-D Photos
& Videos

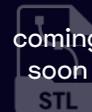
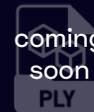


Panning Videos

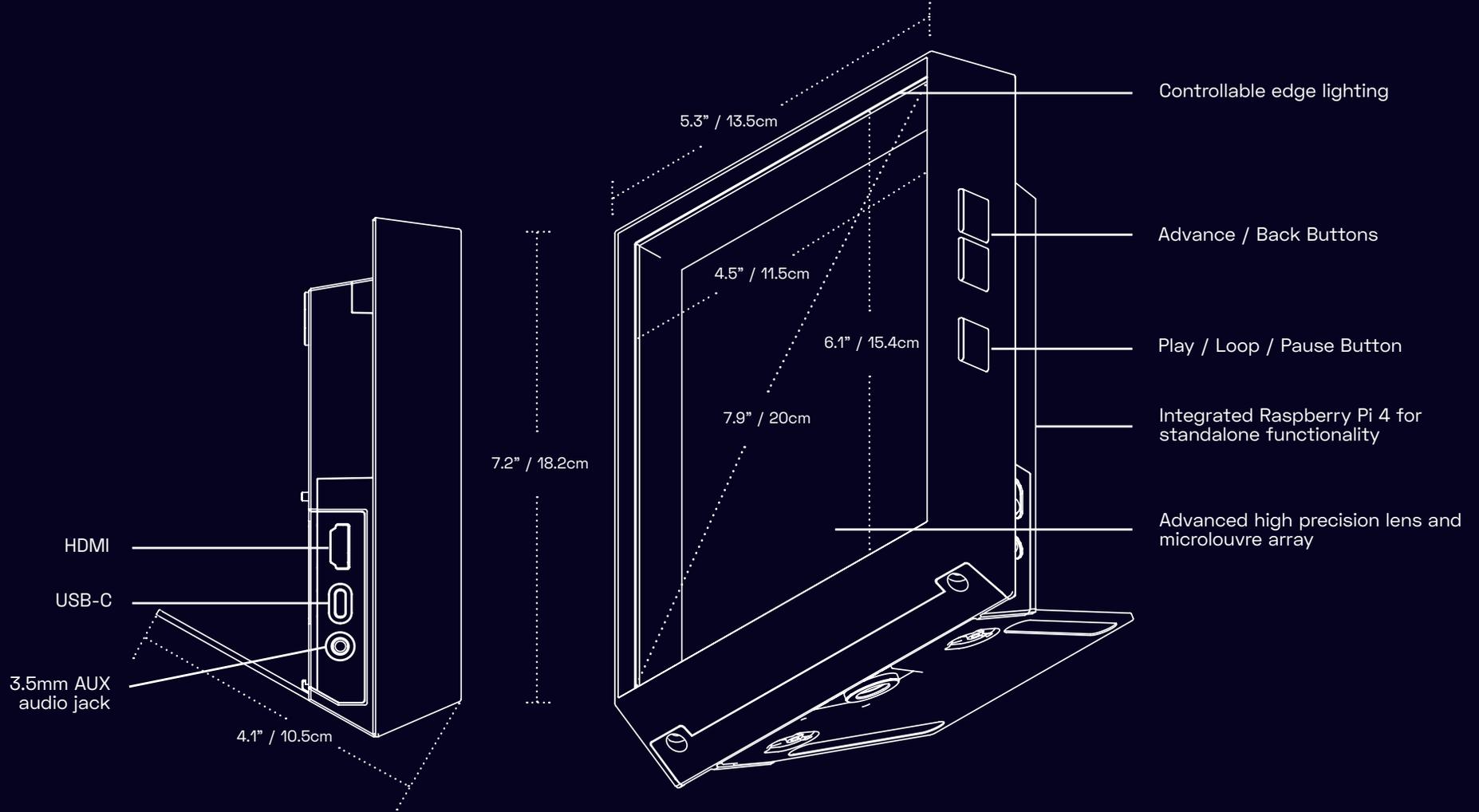


Turntable
Videos

3D Model Formats



General Technical Specifications



Weight: 660g / 1.5 lb

Materials: ABS / PC / Proprietary lens mix / Glass

Viewing cone: 58°

No. of views: 45 to 100

Input Resolution: 1536px x 2048px

Aspect Ratio: 4:3:2 (Height : Length : Approx. Depth)

Featured in

“Looking Glass Portrait:
Photo frame that turns
iPhone portraits into 3D
holograms”



“Hands-on with the
bizarrely fascinating
Looking Glass
volumetric display”



“Looking Glass Factory
Unveils 8K Holographic
Display”



“This picture frame is
an affordable hologram
that fits on your desk”



“Looking Glass Portrait
is the world’s first
personal holographic
display”



“Looking Glass Portrait
Is Your Own Personal
Holographic Display”



About the Company

Who is Looking Glass Factory?

Founded in 2014, Looking Glass Factory Inc. is headquartered in Greenpoint, Brooklyn with additional operations in Hong Kong. In 2018 the company launched the world's first desktop holographic display dev kit; in 2019, started shipping the world's first 8K light field display; and in 2020, launched Looking Glass Portrait, a personal holographic display. Yeah, we really love holograms.

Today, Looking Glass Factory is building a world in which everyone from LiDAR photographers to Unity developers to Fortune 500 companies can leave Flatland and enter the third dimension. Welcome to the [holographic] future.

What is the Looking Glass?

The Looking Glass is a patent-pending combination of light field and volumetric display technologies within a single three-dimensional display system. See your 3D creations come to life. No headsets required. The Looking Glass comes in the following models:

Looking Glass Portrait
Looking Glass 15.6"
Looking Glass 8K

How does it work?

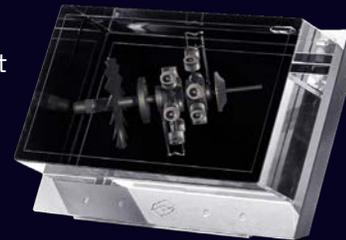
The Looking Glass is a unique combination of light field and volumetric display technologies within a single three-dimensional display system that updates at up to 60fps. It generates 45 distinct views of a three-dimensional scene so that multiple people standing around a Looking Glass can see different parts of the scene in the real world.



Looking Glass Portrait



Looking Glass 8K



Looking Glass 15.6"