



Stereoscopic Slide Viewer

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[VIEW IN BROWSER](#)

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Summary

A device for viewing stereo slides with the possibility to focus.

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Tags: [slide](#) [stereo](#) [viewer](#) [stereoscopic](#) [realist](#)

This model is a viewer for stereoscopic slides. Could not find one anywhere so I made one myself.

The model consists of three parts.

(1) The lens housings are supposed to be screwed to allow some change in the distance to allow minor focus adjustments.

There are two models for lenses

- Opti Media OM7 acrylic press fit lenses, they cost about 2 EUR/piece
- Opti Media Ø 26mm f99.6mm achromat glass lens, they cost about 5 EUR/piece.

(2) The top part of the housing. You are supposed to screw on the lens housings to this. It is supposed to be glued to the bottom part to easier allow changing the pupil distance to your individual preference.

There are two models for the top part

- one for 62mm pupil distance
- one for 64mm pupil distance.

(3) The bottom part where you are supposed to put the slides in.

I tried to print a diffuser plate but it didn't turn out the way I would have liked. You can use an led light like shown in the picture but it will give you an uneven background. Best way is to use a smartphone with lightbox app.

Model files



3-lens-counterpart-bottom.stl



1a-lens-counterpart-top-62mmpd.stl



2a-lenspart-om7.stl



1b-lens-counterpart-top-64mmpd.stl



2b-glass-lenspart-om50a.stl

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