



Expandable photo studio



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Summary

A larger format, expandable photography background that uses 16mm pipe to create the expandable frame.

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Another photo studio! There are quite a few of these online, however most are tailored to smaller backgrounds, normally A3 paper sized. When I photograph my props or larger items, I quickly find the limitations.

Whoops.

28/06/22 - whoops! Forgot I had updated the files a little bit. Nothing major, just made it a bit easier to feed the paper into the parts. If you have downloaded the old ones, they will still work fine!

What's unique about this one?

I have designed this to fit larger format pieces of paper (eg. A2/A1). The sweep features a larger curve. However the USP is the combination of pipes to create a configurable, expandable stable frame.

The Frame.

I have designed this to fit 16mm OD pipe (because I can get PVC piping from Toom pretty cheap). You can choose have as long a length as you need, depending on the size of the paper you use. The bolt pieces secure the pipe to the frame.

If you have pipe to hand that is another size, you should be able to scale up or down all parts to fit you pipe. Be aware of tolerances though.

The top bit.

Another issue I find with photo sweeps is the top of the paper bending over, looking ugly. Attached to the base with a pipe, the top piece secures the top edge of the paper. I also used pairs of magnets, one inside the pipe, the other against the surface of the paper to stop it sagging.

It is designed to not need supports, and to fit onto the standard Ender bed.

Enjoy!

3db.creation

Model files



photobooth_base.stl

☐ mirror for other side



photobooth_top.stl

☐ mirror for other side



bolt.stl

☐ 6 needed for complete booth

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