Mini Tripod for smart phones and digital cameras

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VIEW IN BROWSER

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Summary

Mobile phone holder for the fantastic original Mini Tripod. All required bolts and nuts can be printed.

10.36 hrs	8 pcs	0.20 mm	0.40 mm	PLA	79 g	Prusa MINI / MINI+

Gadgets > Photo & Video

Tags: camera phonestand cameramount phone tripod iphone smartphone smartphoneholder 3dscan dslr nosupport 3dscanning iphonestand iphoneholder dslrmount fotography fotografie

The **Mini Tripod for DSLR and Digital cameras** offers a full 360 degree rotation plus 180 degrees of tilt and is exactly what I was looking for specifically for 3D scanning. It also locks down well, once you add the noted washer to the deck screw.
In addition, it looks valuable and fantastic.

My extension allows using a mobile phone instead of a camera.
The maximum supported phone width is **80mm**, and the minimum is **50mm**. The maximum thickness is **10mm**.

I don't want to go unmentioned that I took over two parts from **Tripod Phone Stand (no screw!)**.

PRINTING INFORMATION

- I printed all parts with PLA
- **0.2mm layer height**
- without supports.
- For most parts I used **25% infill**. Only for screws and nuts **100% infill**.

ORIGINAL PARTS YOU NEED

You use **all** the original Mini Tripod parts **except head.stl**. I replaced this original part with head-modified.stl. It is compatible with the original, only two screw holes have been added.

The author of the original Mini Tripod made a longer list of **nuts and bolts** required. I didn't buy these but printed matching ones. If you haven't printed and assembled the original Mini Tripod yet, you can use the included all-bolts-and-nuts.stl.
Of course printed screws are not as stable as metal screws, but for my purposes these are sufficient. I wouldn't use it with an expensive camera though. So, like me, use these at your own risk. And don't over tighten the printed screws.

BUILD INSTRUCTIONS

- Everything is self-explanatory, just screws and nuts. If in doubt, refer to the pictures of the original Mini Tripod for directions.
- The rubber washers are absolutely necessary or the head will not have enough grip to hold the assembly. (I used 2mm thick foam rubber instead. Works!)

Enjoy!

If you like this model, feel free to check out my others here.

And maybe you would like to support me with a small donation. Feel free to use the support button on the top right of this page. I myself donate one or two Euros to each designer for an interesting model that is worth five stars to me.

This remix is based on

Mini Tripod for DSLR and Digital cameras

by Javier

Model files

frame.stl

height 0.2, infill 25%

frame.3mf

height 0.2, infill 25%

frame-up.stl

height 0.2, infill 25%

frame-up.3mf

height 0.2, infill 25%

head-modified.stl

modification of the original model; height 0.2, infill 25%

head-modified.3mf

modification of the original model; height 0.2, infill 25%

rail.stl

height 0.2, infill 25%

rail.3mf

❑ height 0.2, infill 25%

rail-knobs.stl

❑ height 0.2, infill 100%

rail-knobs.3mf

❑ height 0.2, infill 100%

rail-screws.stl

❑ height 0.2, infill 100%

rail-screws.3mf

❑ height 0.2, infill 100%

tightening-screw.stl

❑ height 0.2, infill 25%

tightening-screw.3mf

❑ height 0.2, infill 25%

all-bolts-and-nuts.stl

❑ set of all screws and nuts only required for the original model; height 0.2, infill 100%

all-bolts-and-nuts.3mf

❑ set of all screws and nuts only required for the original model; height 0.2, infill 100%

Print files

frame_02mm_pla_mini_2h58m.gcode

PLA 0.40 mm 0.20 mm 2.97 hrs 23 g Prusa MINI / MINI+

frame-up_02mm_pla_mini_24m.gcode

PLA 0.40 mm 0.20 mm 0.41 hrs 3 g Prusa MINI / MINI+

head-modified_02mm_pla_mini_1h41m.gcode

PLA 0.40 mm 0.20 mm 1.68 hrs 16 g Prusa MINI / MINI+

Modification of the original model

rail_02mm_pla_mini_3h45m.gcode

PLA 0.40 mm 0.20 mm 3.75 hrs 27 g Prusa MINI / MINI+

rail-knobs_02mm_pla_mini_49m.gcode

PLA 0.40 mm 0.20 mm 0.81 hrs 6 g Prusa MINI / MINI+

rail-screws_02mm_pla_mini_27m.gcode

PLA 0.40 mm 0.20 mm 0.45 hrs 2 g Prusa MINI / MINI+

tightening-screw_02mm_pla_mini_17m.gcode

PLA 0.40 mm 0.20 mm 0.29 hrs 2 g Prusa MINI / MINI+

all-bolts-ans-nuts_02mm_pla_mini_1h37m.gcode

PLA 0.40 mm 0.20 mm 1.61 hrs 8 g Prusa MINI / MINI+

set of all screws and nuts only required only for the original model

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