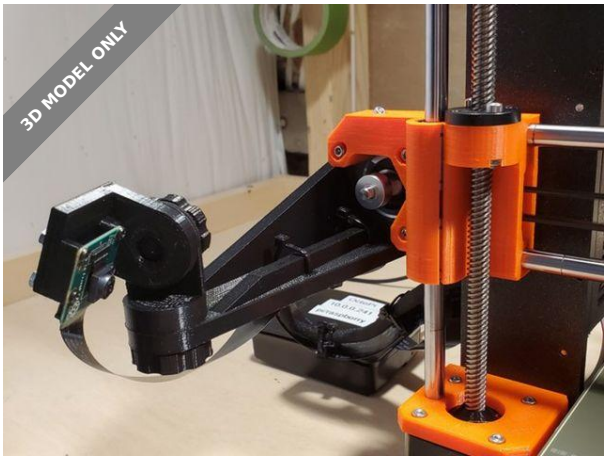

Camera Mount- Prusa MK3s

mhparsons

VIEW IN BROWSER

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Summary

This is a mount for a Raspberry PI Camera on a Prusa Technologies MK3s 3D Printer.

3D Printers > Accessories

Tags: prusa cameramount raspberrypi prusai3mk3s thingiverse raspberrypicamera

This is a mount for a Raspberry PI Camera on a Prusa Technologies MK3s 3D Printer. The mount attaches to the X-Axis Motor with a single M3x10 screw (use one from the Prusa spares package.). The design is for a Raspberry Pi v2 Video Camera.

Print instructions Category: 3D Printer Parts Print Settings

Printer Brand: MK3

Printer: Prusa i3

Rafts: No

Supports: No

Resolution: Medium (0.2mm)

Infill: 30%

Filament: Hatchbox PLA Black
Notes:

1/26/23: An update to this design can be found at:

https://www.printables.com/model/376326-camera-mount-prusa-mk3s

Original Notes: The Camera Board is attached to the Mount with four #2 screws. Put two spacers between the camera board and the mount to create space for the components on the board. The mount provides 2-axis adjustment so you can obtain the exact view you want. Print two of the Knobs. There are holes in the main bracket for tie wraps to route and secure the camera's ribbon cable. I have also included a simple Clip you can tie wrap to the X-axis motor cable and attach the ribbon cable with tie wraps. I used three Clips.

Finally, when it was first assembled the camera was not in focus. The factory sets the focal length to infinity. There are instructions on the internet on how to focus it. Essentially, I held the camera housing on the board carefully with needle-nose pliers and then rotated the lens counter-clockwise with a pin until it was in focus. There's a little soft cement that holds the lens secure, so you will need to push a bit past where it is in focus and let the cement spring back into it's final position.

How I Designed This

TinkerCAD

This remix is based on

Camera Mount-Prusa MK3s

by mhparsons

Model files

pivot-camera-prusa-v1.stl

brkt-camera-prusa-v4.stl

mount-camera-prusa-v3.stl

clip-camera-prusa-v2.stl

knob-camera-prusa-v1.stl

spacer-camera-prusa-v1.stl

Find source .stl files on Thingiverse.com

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