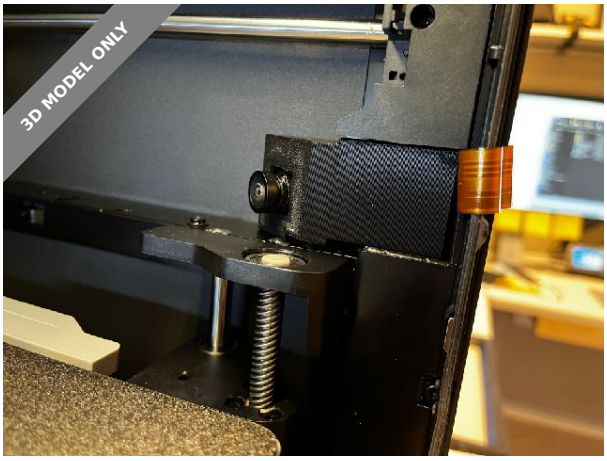


P1S Raspberry Pi camera mount

Retired Badger

VIEW IN BROWSER

updated 30. 6. 2024 | published 30. 6. 2024

Summary

A mount for putting a secondary camera in a Bambu Lab P1S 3D Printer.

3D Printers > Bambu Lab Parts & Upgrades

Tags: camera mount

A mount for an Arducam IMX219 wide angle lens camera, placed in the right front corner of a Bambu Lab P1S. This provides real time video, where as the P1S camera only provides a photo approx. every second.

The Arducam IMX219 is connected to a Raspberry Pi Zero 2W, running Raspberry Pi Bullseye, with MediaMTX. The Pi is temporarily mounted pending another location/solution.

Using this setup, I'm able to stream video to a Home Assistant dashboard, as well as to any web browser.

To stream the video:

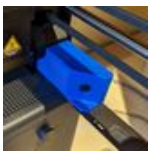
Basic Rasperry Pi OS for the Pi Zero 2W - no desktop.

To share the cam, I'm using MediaMTX, found here: https://github.com/bluenviron/mediamtx

To get the camera feed from MediaMTX, I've used a Webpage Card, simply pointing to the URL of the feed, e.g. HTTP://198.168.20.200:8889/cam

For my "Bambu P1S" dashboard, I'm using this integration: https://github.com/greghesp/ha-bambulab - however, this isn't necessary, as you can get the feed from any browser, including your phone or tablet.

This remix is based on



P1P Pi Camera Mount

by Kavman

Model files

p1s-pi-cam-mount_v13.step

p1s-pi-cam-mount_v13.3mf

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