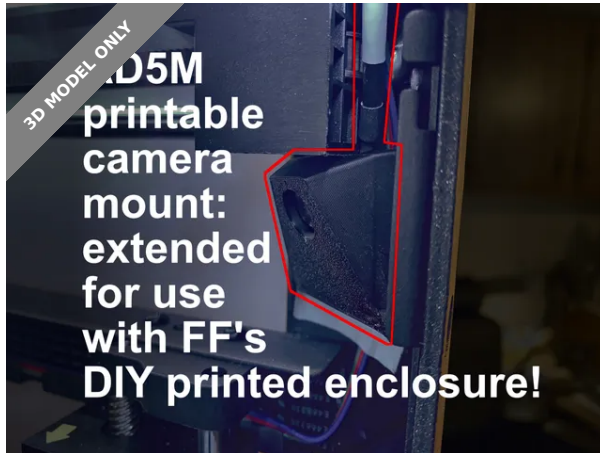




Flashforge Adventurer 5M (AD5M) Printed Camera Mounts (two to choose from) v1.0



Doug Joseph (design8studio)

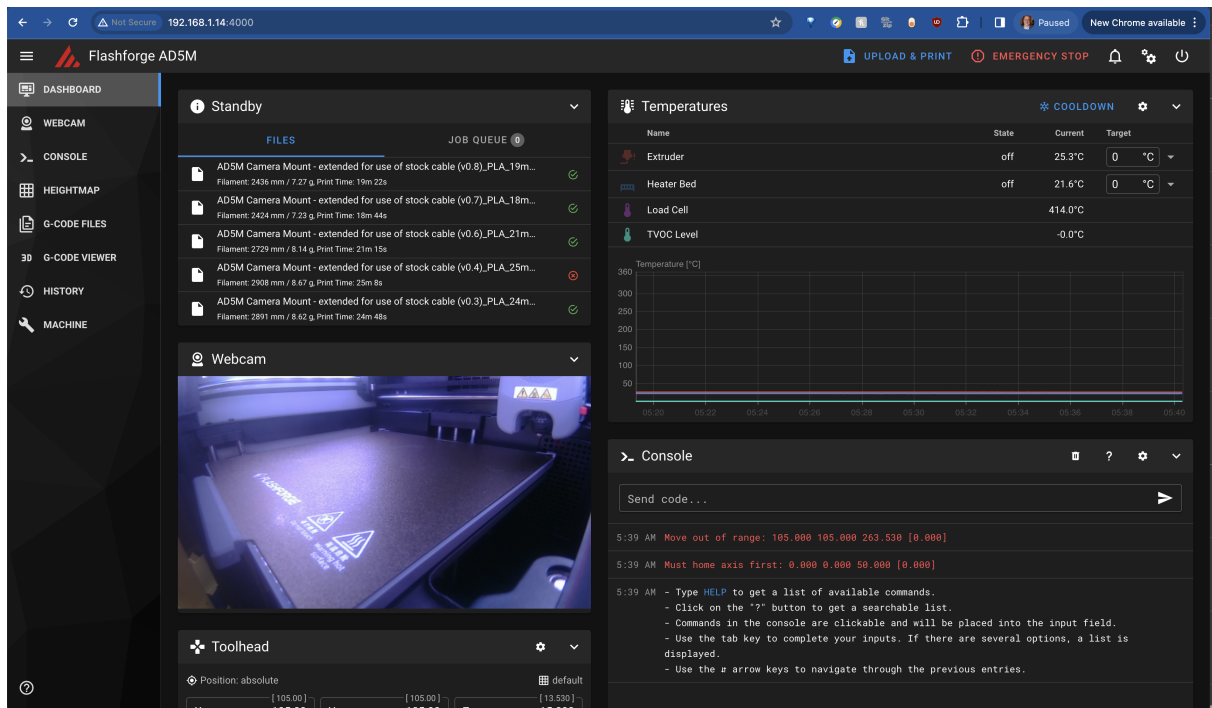
[VIEW IN BROWSER](#)

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Summary

Camera USB cable too short for FF's DIY printed enclosure. My extended mount moves camera up, so use of cable is doable.

[3D Printers](#) > [Accessories](#)



Both of these two models can serve as a drop-in replacement for the Flashforge injection molded camera mount, which is stock on the AD5M Pro, and can be ordered from Flashforge's website for use on the AD5M (non pro version).

One of the two mounts has the same camera placement as the injection molded mount from Flashforge. It's basically a way to replace yours if it's lost or broken somehow, but only for AD5M printers that don't have the DIY enclosure or AD5M Pro.

The other one is helpful for those AD5M users who have printed and installed the DIY enclosure that's touted by Flashforge. For this use, a major issue is that the camera's USB cable is too short to reach the new higher location of the LCD touchscreen. My design here extends the camera mount upward. It allows the camera's USB cable to reach the LCD with the DIY enclosure.

Flashforge's pricing is quite reasonable (currently \$25) for the **camera set** (camera, USB cable, injection molded mount, and screw). It seems that the camera itself is not made by Flashforge, but rather sourced by them. In theory the camera could be bought elsewhere, **such as here**, but.... Would you be required to buy a batch? Would you get a USB cable with it? If so, would the connectors be the right denomination, and would its length be right? And would it really save you any money?

Nevertheless, I'm including here my modeling work that's a drop-in replacement for the injection molded mount, just in case it helps someone. But the essential part of this listing is my design for an extended mount, that lifts the camera up as high as possible — just high enough for the

provided USB cable to be long enough to work for AD5M with the DIY printed enclosure installed.

Print Notes

These parts print as oriented, with no supports needed. For the drop-in replacement, no supports is assuming your printer can do modest bridging. For that one, it may need tree supports if your printer cannot do bridging well.

Install Notes

To get the short cable installed with the DIY enclosure, the order matters:

1. Feed cable through frame opening toward the LCD.
2. Connect USB cable to the LCD screen. The mount is still dangling on the other end.
3. Install the camera mount using the screw that was provided in your FF camera kit.

As you watch this install video from Flashforge, consider the above notes. You would be doing the same things, but in a slightly different order:

Other cool options for the AD5M

You may also like my other AD5M related design work:

- <https://www.printables.com/model/785667-flashforge-adventurer-5m-ad5m-simpler-easier-faste>
- <https://www.printables.com/model/813334-flashforge-adventurer-5m-ad5m-printed-camera-mount>
- <https://www.printables.com/model/814546-flashforge-adventurer-5m-ad5m-nozzle-storage-box-t>
- <https://www.printables.com/model/827706-flashforge-adventurer-5-ad5m-led-mod-accessory-buc>
- <https://www.printables.com/model/828632-flashforge-adventurer-5-ad5m-led-light-bars-mod-ac>
- <https://www.printables.com/model/834011-flashforge-adventurer-5m-ad5m-side-cutter-mount-v1>
- <https://www.printables.com/model/834097-flashforge-adventurer-5m-ad5m-improved-spool-holde>
- <https://www.printables.com/model/886714-flashforge-adventurer-5m-ad5m-filament-cutter-comp>
- <https://www.printables.com/model/1119699-flashforge-ad5m-enclosure-hinge-remixed-to-be-easi>
- <https://www.printables.com/model/1119872-flashforge-ad5m-door-handle-remixed-to-print-witho>

Use Klipper stuff on AD5M stock hardware,

- ...such as Mainsail, Fluidd, and Klipperscreen, etc, with the stock Klipper install on the AD5M's main board, as shown in the first image above.
- Get it here: https://github.com/xblax/flashforge_adm5_klipper_mod

Check out other cool AD5M related options here:

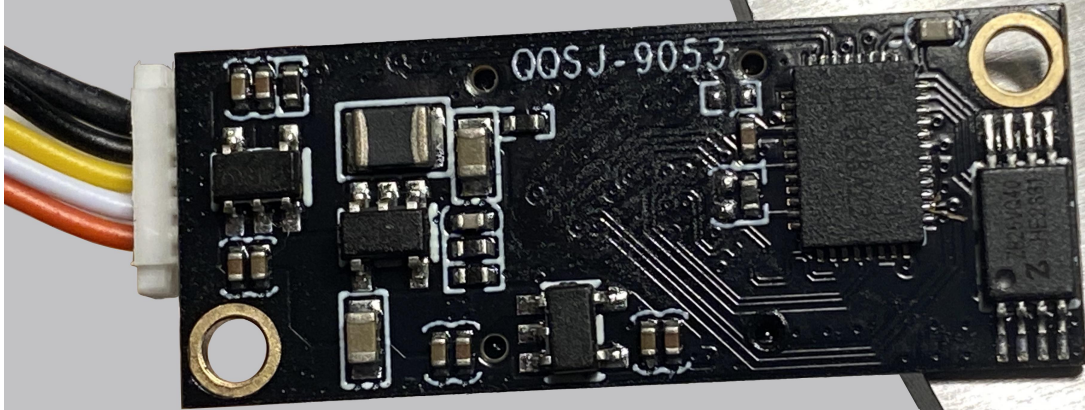
- <https://github.com/g992/flashforge-ad5m-5mpro-research>

Change log

- March 27, 2024 - updated - slight tweak to improve fitment.
- March 22, 2024 - updated - slight tweak to improve fitment.
- March 20, 2024 - initial upload

My PayPal tip jar: <https://paypal.me/design8studio>

**Flashforge Adventurer 5M series
USB camera module PCB, back view
(approximately 12 mm x 30 mm)**



**Flashforge Adventurer 5M series
Camera mount, bottom view
(Factory part, injection molded plastic)**



**Flashforge Adventurer 5M series
Camera mount, right side view (1 of 2)
(Factory part, injection molded plastic)**



**Flashforge Adventurer 5M series
Camera mount, right side view (2 of 2)
(Factory part, injection molded plastic)**

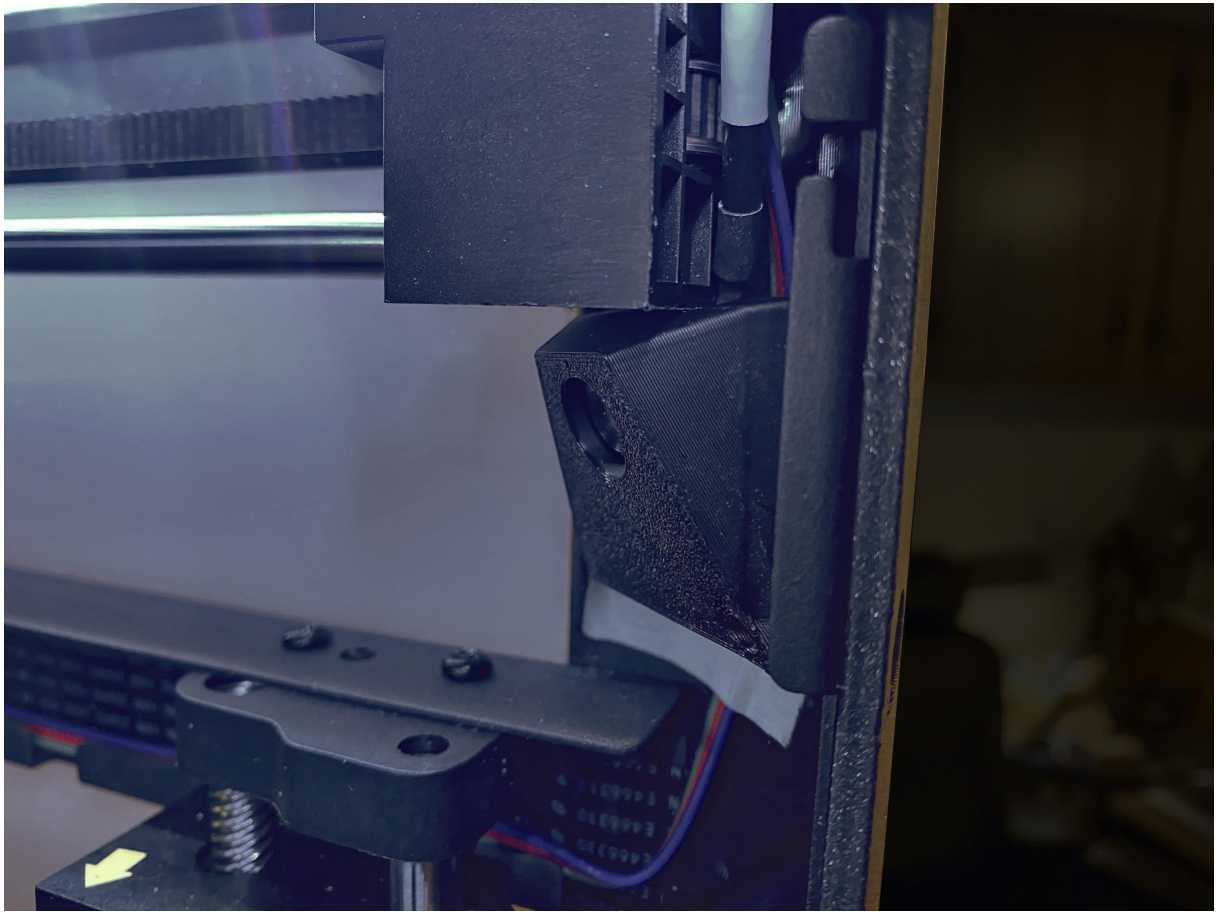
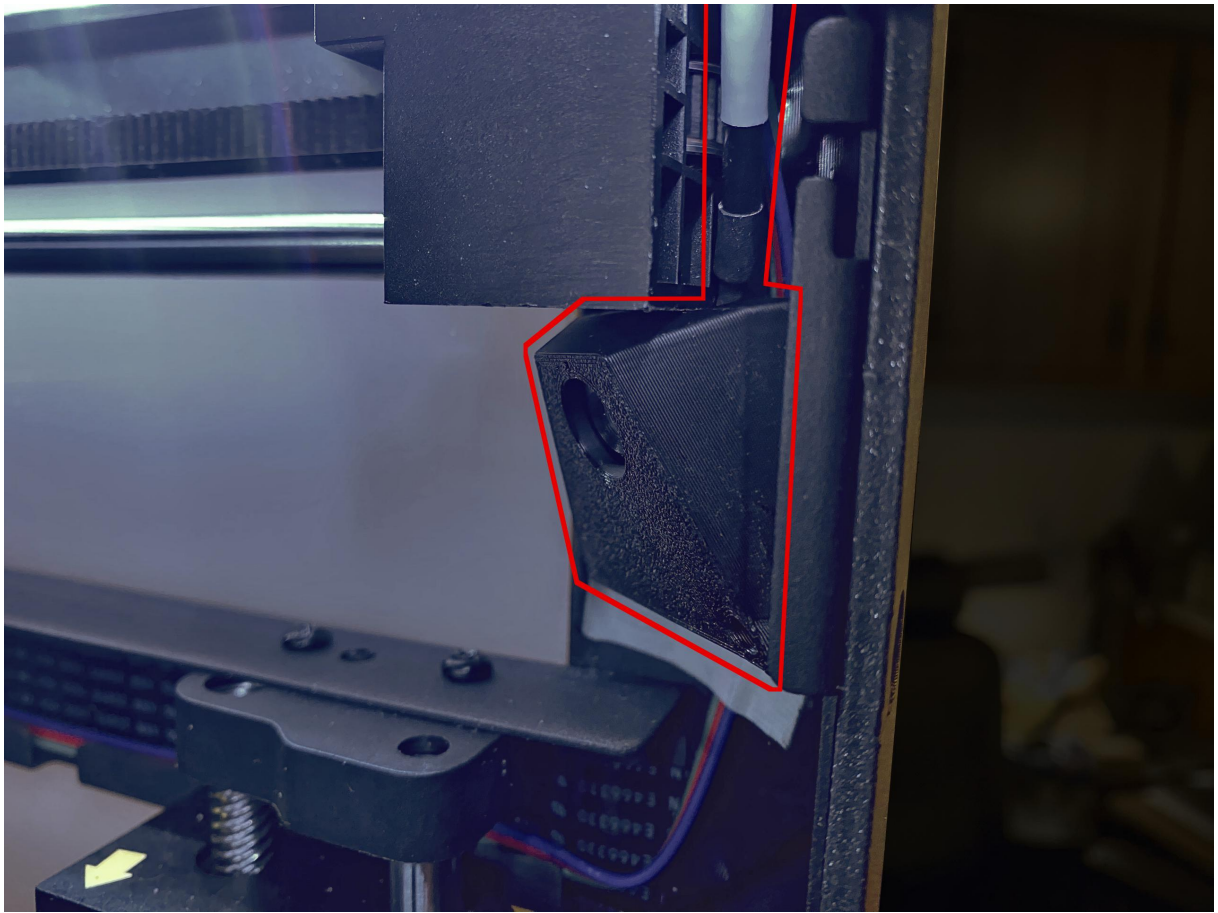


**Flashforge Adventurer 5M series
Camera mount, top view
(Factory part, injection molded plastic)**



Flashforge's USB camera is stock on AD5M Pro. For the Adventurer 5M (non Pro model) it can be ordered factory direct from Flashforge's site. It mounts just inside the right front upright, as shown. However, if you have installed the DIY printed enclosure touted by Flashforge, then the cable on their factory camera is too short. My printed camera mount positions the camera higher, and makes use of the short cable doable.





FRONT



Flashforge's stock USB camera mount for AD5M / AD5M Pro (shown here) is injection molded plastic.

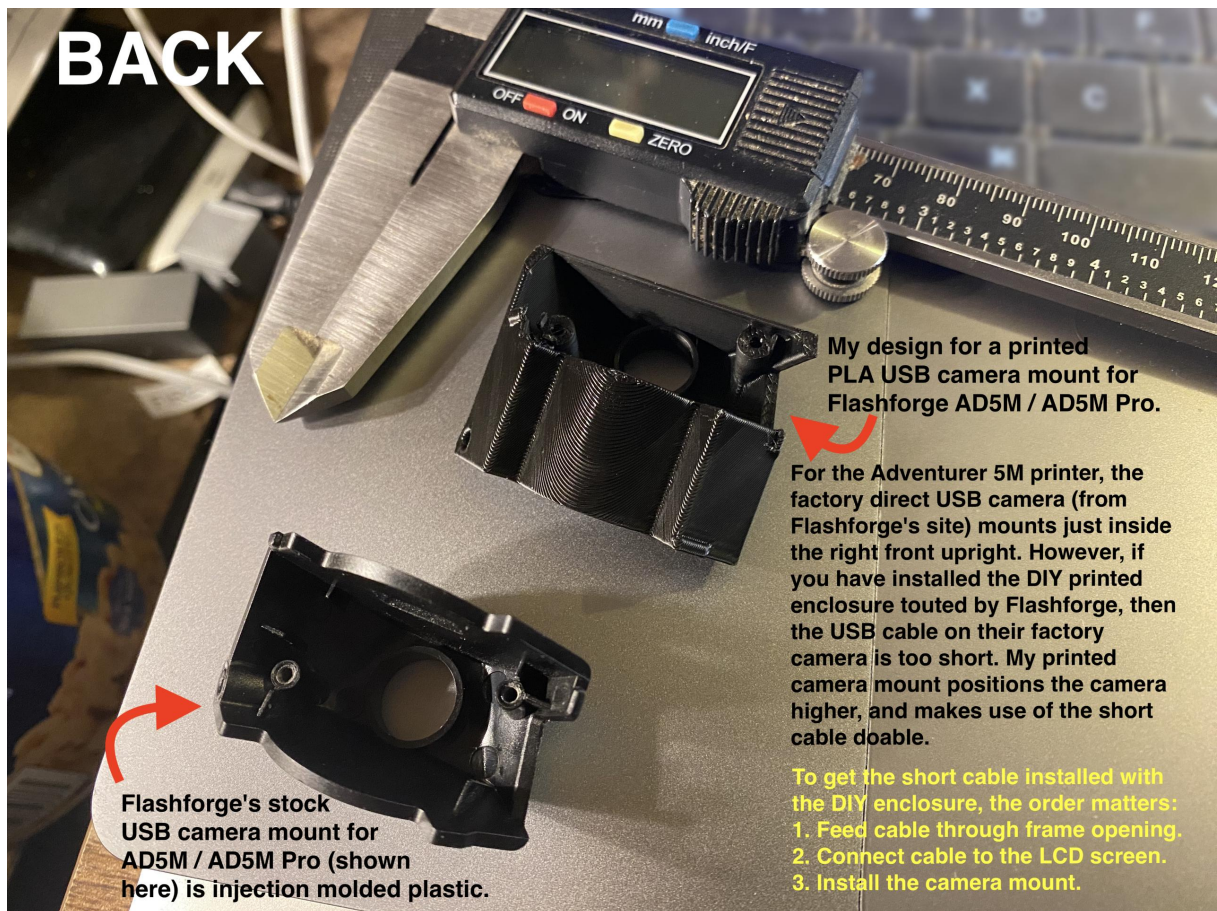
My design for a printed PLA USB camera mount for Flashforge AD5M / AD5M Pro.

For the Adventurer 5M printer, the factory direct USB camera (from Flashforge's site) mounts just inside the right front upright. However, if you have installed the DIY printed enclosure touted by Flashforge, then the USB cable on their factory camera is too short. My printed camera mount positions the camera higher, and makes use of the short cable doable.

To get the short cable installed with the DIY enclosure, the order matters:

1. Feed cable through frame opening.
2. Connect cable to the LCD screen.
3. Install the camera mount.

BACK



Flashforge's stock USB camera mount for AD5M / AD5M Pro (shown here) is injection molded plastic.

My design for a printed PLA USB camera mount for Flashforge AD5M / AD5M Pro.

For the Adventurer 5M printer, the factory direct USB camera (from Flashforge's site) mounts just inside the right front upright. However, if you have installed the DIY printed enclosure touted by Flashforge, then the USB cable on their factory camera is too short. My printed camera mount positions the camera higher, and makes use of the short cable doable.

To get the short cable installed with the DIY enclosure, the order matters:

1. Feed cable through frame opening.
2. Connect cable to the LCD screen.
3. Install the camera mount.

This short video explains everything about my other AD5M design
[available here](#):

Model files



ad5m-camera-mount-extended-for-use-of-stock-cable-v... .stl



ad5m-camera-mount-orientated-for-printing-v10.stl

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