Printables by JOSEF PRUSA



Prusa MK4 camera mount for Logitech C270/C310

e **ebeeche**

VIEW IN BROWSER

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Summary

A sturdy camera mount that doesn't require any alteration to the Prusa MK4.

2.06 hrs	2 pcs	0.20 mm	0.40 mm	PET	21 g	Prusa MK4

3D Printers > 3D Printers - Upgrades

Tags: c270 prusa webcam camera mk4 logitech cameramount mount c310

Having a 3D printer without a camera is like driving at night without lights. I decided to create a base that doesn't require any alteration to the MK4 and can also serve as a starting point for others to create their own camera support.

What you need

- PETG filament (PLA is a good replacement)
- One M3x25 screw
- One M3x18 screw

- One M3 nut
- A Logitech C270 or C310 webcam

Printing Instructions

- Filament used: Prusament PETG
- Nozzle: 0.4
- Layer height: 0.2

x-axis-base-v1_short:
4 perimeters, 5 bottom solid layers.

camera-arm-v1:
3 perimeters, 5 bottom solid layers, support enforcers (see image).

cable-clamp-v1:
3 perimeters, 5 bottom solid layers.

FYI: These parameters are the ones I prefer, but the ones that come by default still work perfectly.

Assembly:

1. Screw the camera to the arm using the **M3x25 screw** , no nut is needed on the other end. Do not over-tighten.
2. Guide the cable through the rear slot of the arm and slide a couple of c-clamps to secure the cable.
3. Attach the base to the arm using the **M3x18 screw** and **nut**.
4. Place it on the printer as shown in the photos, the base should snugly fit to the x axis idler (right side).
5. Adjust the camera's framing and gently tighten the screws.
6. Attach the last c-clamp to the base.
7. Enjoy!

Some inspiration was taken from:

printables.com/model/454742-mk4-logitech-c270-x-motor-mount

thingiverse.com/thing:3198607

Model files

STLs

3 files



x-axis-base-v1_short.stl



camera-arm-v1.stl

Remeber to use organic supports, see included explanatory image



cable-clamp-v1.stl

STEP files

3 files



x-axis-base-v1_short.step



camera-arm-v1.step



cable-clamp-v1.step

PrusaSlicer project files

2 files



x-axis-base-v1_short.3mf

This file contains all settings already configured. Tweak and modify as desired.



camera-arm-v1-and-clamps-v1.3mf

This file contains all settings already configured. Tweak and modify as desired.

Print files

G-Code

2 files



x-axis-base-v1_short_04n_02mm_petg_mk4_59m.gcode

PET 0.40 mm 0.20 mm 0.98 hrs 11 g Prusa MK4



camera-arm-v1-and-clamps-v1_04n_02mm_petg_mk4_1h5m.gcode

PET 0.40 mm 0.20 mm 1.08 hrs 10 g Prusa MK4

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