



Replacement housing for Hasinart 2K webcam



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Summary

The stock housing for this webcam is huge for no reason and I wanted to mount it to my 3D printer.

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The stock housing for this webcam is huge for no reason and I wanted to mount it to my 3D printer. I whipped up this quick model to make it more compact and mountable to a printer extrusion.

To disassemble the camera:

Peel off the front cover. It's about 1.5mm thick and stuck down with adhesive.

Remove 2x phillips screws and unclip the front part of the housing. The mainboard is held in with 2 more shorter phillips screws. Unscrew these and retain them.

You'll need to cut/desolder the USB cable to allow the mainboard to come out. Remember the order they go in! Mine had a big glob of glue on it which peeled off easily.

The microphone is attached via a small FPC cable. Flip up the latch and pull from the connector. You won't be needing this.

To assemble the new mount:

Insert 2 heatset inserts into the smaller of the gopro pieces. Use 2x M3x5 button-head screws to attach to the back.

Next, feed the USB cable through the hole in the back piece. Pull it through enough to allow you to solder the wires back on.

Now screw the mainboard into the posts on the back piece. There are a few to choose from. Make sure you use the shorter screws.

Slide the front piece over the camera lens. I glued the top piece in place because I am terrible at designing proper latching lids and I wanted to keep it as small as possible.

Then, add another heatset insert to the larger of the 2 gopro pieces and attach it to the extrusion mounting plate with an M3x5 Socket Head screw.

Feed an M5 bolt through both gopro pieces and secure with a nyloc M5 nut.

Then use 2x M5x8 screws with the appropriate T-Nuts to attach to your frame.

Model files



webcamhousinggoprotop.stl



webcamhousing_front.stl



webcamgoprobase.stl



webcamhousing_back.stl

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