



Another ESP32 CAM Case



Duane

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Summary

Case for ESP32CAM + USB power board(Ender 3 variants)

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The LED inser needs to be glued with CA and sanded flush with the back of the case. Without glue the ESPs get warm and the top bit opens up if printed in PLA.

I use these on 2 ender 3v2's Fluidpi.

You need to crack the green glue locking the lens from rotation, just hold carefully with a long nose pliers and wiggle the lens using an other plier. It took about 1/8 to 1/4 turn out (anitclockwise) to get the focus around 200-250mm. Works ok and gives 20fps on 1024x768.

I used 3x 3mm white leds with 120R series for each (1206 smt) and common'd them up on the vero, it draws around 50mA for all 3.

I have a longer bolt on RHS end X carriage that the mount fits over then tightens onto the already tight bolt.

Model files

lens-aperture-plate.stl

m5-plug.stl

knob-m5.stl

m4-plug.stl

back-cover-plate.stl

led-insert.stl

knob-m4.stl

espcam-case.stl

mount.stl

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