

Raspberry Pi 4B + 3.5" Touchscreen Case with Rpi Camera Mount (For Printers with 4040 Extrusion)



Mac

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Summary

Raspberry Pi 4B + 3.5" Touchscreen Case with Rpi Camera Mount (For Printers with 4040 Extrusion)

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

Tags: [case](#) [creality](#) [ender](#) [raspberrypi](#) [raspberrypicase](#)
[ender3](#) [crealityender3](#)

****UPDATE****

Added Camera mount for Raspberry Pi camera (mount will also serve as clip) and Stand Clip

Check Accessories folder

There is 2 version of the camera mount (Rotatable and Fixed)

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This stand is an remix of existing design by [Adam Vicknair from Grabcad](#)

Original version was a side mount where the touch screen was facing towards the sides of the printer

It was inconvenient for usage with printers with 4040 extrusion on sides and no frontal extrusion to mount (most Ender 3 based printers)

Also made the USB cutout a bit bigger to allow right angle connectors to fully insert into the port (dividers were an issue with broad body usb connectors as well as the holes didn't support as well)

The design was remixed to add 2 types of stand (Left mount and Right mount)

Mounting on Right side of printer = use "Pi Stand Right Side mount.stl"

Mounting on Left side of printer = use "Pi Stand Left Side mount.stl"

Other parts are common for both the side mounts

The Fan cover is an optional accessory which can be glued on to the stand
If gluing is not an option, you can grab the Merged option (Merged Folder) where the fan cover and stands are merged as 1 file so you can print as a single part and no gluing needed.

Raspberry pi case is a removable so you can dock it whenever you need to
Use 4 x M3 40mm Cap Head bolts and nut to secure the case

Cura 5.7.0 Universal Project File is also attached for easy print with cura

This remix is based on

Free
CAD
Designs,
Files &
3D
Models |
The
GrabCAD
Community
Library

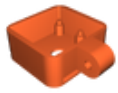
Free CAD Designs, Files & 3D Models | The GrabCAD Community Library

Model files



Accessories

6 files



camera-stand-base.stl



camera-back-cover.stl



camera-stand-mount-fixed.stl



camera-stand-mount-rotatable.stl



rotating-camera-support.stl



stand-clip.stl



Merged

2 files



pi-stand-left-side-mount-fan-cover-merged.stl



pi-stand-right-side-mount-fan-cover-merged.stl



fan-cover.stl



pi-top-plate.stl



pi-mid.stl



pi-base-plate.stl



pi-stand-left-side-mount.stl



pi-stand-right-side-mount.stl



raspberry-pi-stand-case.3mf

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