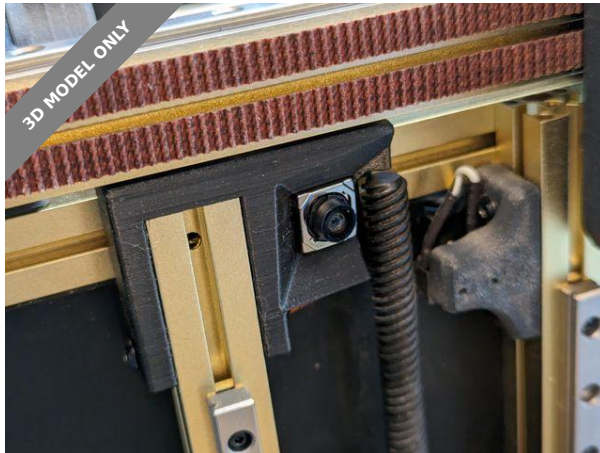




Voron 0.1 / Voron 0.2 Raspberry Pi Camera Module 3 Mount Version2



Eondar

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Summary

raspberry pi camera module 3 mount for the voron 0 / voron 0.1 / voron 0.2 | requires no support

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Inspired by the camera mount by johanncc (<https://www.printables.com/model/146877-voron-0-voron-01-raspberry-pi-camera-mount>), I set out to modify his model to fit the RaspberryPi camera module 3. My modification caused the camera to protrude into the build volume and while printing near the y-axis limits this could damage the camera module.

So I created a mount, where the camera module is fully protected by the 15mm z-axis aluminium extrusions. To fit most of the bed in frame I had to mount the module offcenter between the two z-axis extrusions.

With my printer I get a clearance of about 2-3mm to the moving parts.

If you want to mirror the parts it is now possible and it will still fit the camera connector.

The camera in the pictures is the Raspberry Pi Camera Module 3 120° wide angle.

TLDR

1. Raspberry pi camera mount for the voron 0 / voron 0.1 / voron 0.2
2. Visibility of the bed as shown in the pictures
3. Easy mounting with 2 M3x8 screws, 2 M3 nuts and 3 M2x6 screws
4. No preloading of nuts
5. No supports

Update 26.01.2023:

- Added VoronV0_PiCam3_Mount_Angled.3mf
- Renamed VoronV0_PiCam3_mount.3mf to VoronV0_PiCam3_Mount_Straight.3mf

Update 01.02.2023:

- Modified VoronV0_PiCam3_Mount_Angled.3mf so that it faces the middle of the bed exactly according to the CAD model

Update 06.03.2023:

- On both models the space for the camera connector was enlarged. It is now possible to mirror the part for the side of the printer you like

Update 02.04.2023:

- Versions with short sides were added for the angled and straight mount to allow for more clearance for probes or cablechains

Model files

voronv0_picam3_mount_angled.3mf

voronv0_picam3_mount_angled_short_side.3mf

voronv0_picam3_mount_straight.3mf

voronv0_picam3_mount_straight_short_side.3mf

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