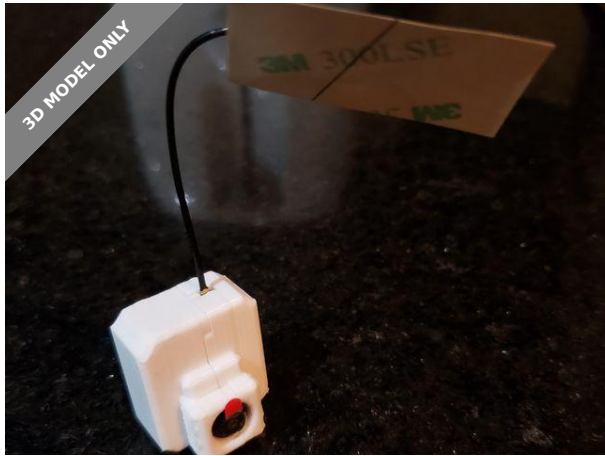




XIAO Sense Case (Seeed Studio XIAO ESP32S3 Sense, Camera)

 **ScottyDoesKnow**

[VIEW IN BROWSER](#)

updated 21. 12. 2023 | published 21. 12. 2023

Summary

Small case for XIAO Sense (ESP32S3 with Camera)

[Hobby & Makers](#) > [Electronics](#)

Tags: [camera](#) [case](#) [sense](#) [xiao](#)

WARNING

The webcam application gets the board too hot for PLA even with the heat sink. I haven't seen it obviously deform but in my case the snap fit stopped working. You'll need to use PETG (and the PETG versions of the case) which has been fine for me so far in limited testing. The only difference between the versions is that the PLA version has a 0.125mm gap for the snap fit and the PETG version has no gap.

Summary

Small case for the Seeed Studio XIAO ESP32S3 Sense. Options with space for a heat sink, an open back (for heat sink and access to pins), and a version to be attached to a peephole (my specific use case). There's also a template to make attaching the heat sink easier, based on the heat sink I had (10.1mm x 14.3mm) which is from a Raspberry Pi 4 heat sink kit. The

case snaps together and holds well but is still pretty easy to take apart (on my specific printer/prints at least). The regular versions of the case require support but the peephole version doesn't. The peephole version also has a plate for the antenna, which is set back to allow for double sided tape to attach it to the door.

Print Settings

- Material: PETG
- Layer Height: 0.25mm
- Infill: 25% (doesn't really matter)
- Support: Yes (heatsink/open), No (peephole)
- Orientation: Sidewalls flat on the bed
- Weight: 4g (heatsink/open), 6g (peephole)

Model files



xiao-sense-case-v48-petg-left-heatsink.stl



xiao-sense-case-v48-petg-right-heatsink.stl



xiao-sense-case-v48-petg-left-open.stl



xiao-sense-case-v48-petg-right-open.stl



xiao-sense-case-v49-petg-left-peephole.stl



xiao-sense-case-v49-petg-right-peephole.stl



xiao-sense-case-v44-pla-left-heatsink.stl



xiao-sense-case-v44-pla-right-heatsink.stl



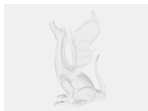
xiao-sense-case-v44-pla-left-open.stl



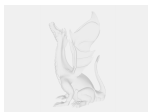
xiao-sense-case-v44-pla-right-open.stl



xiao-sense-case-v44-heatsink-template.stl



xiao-sense-case-v48-petg.f3z



xiao-sense-case-v48-petg.stp

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc/4.0/)



Attribution-NonCommercial

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition