



## HC-SR501 PIR ceiling case

[VIEW IN BROWSER](#)

updated 4. 5. 2023 | published 4. 5. 2023

### Summary

Dear makers, we would like to share our ceiling case for PIR Arduino compatible sensor HC-SR501

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

Tags: [arduino](#) [openhab](#) [smarthome](#) [homeassistant](#)  
[thingiverse](#)

Dear makers,

we would like to share our ceiling case for PIR Arduino compatible sensor HC-SR501. Diameter of the installation hole is 44 mm. Housing includes lens cover, which can be glued to the housing, enabling to reduce the angle from the sensor's PIR from 360° to about 180° degrees.

Use two 2x4mm screws for fixing.

We tested with PETG due to higher temperature resistance for electronics. Feel free to customize and upgrades!

Installation video: <https://www.youtube.com/watch?v=GK7Lr0WwjkM>

Don't have a 3D printer? You can order part here: <https://opentux.eu/produkt?pn=OPH015EN>

## Print Settings

### Printer Brand:

Prusa

### Printer:

i3 MK2S

### Rafts:

No

### Supports:

No

### Resolution:

200

### Infill:

20

**Filament:** Plasty Mladec PETG White

Category: Electronics

## Model files



arduino\_pir\_-\_44\_mm\_hole.stl



arduino\_pir\_-\_44\_mm\_\_\_cover\_180.stl

[Find source .stl files on Thingiverse.com](#)

# License

This work is licensed under a  
**Creative Commons (4.0 International License)**



## **Attribution-NonCommercial**

---

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