

# Vogelhaus

## Pläne

- <http://3axis.co/flexible-plywood-birdhouse-dxf-file/eo4q5687/> (Looks really good, fits really good together, needs a bit longer on the laser cutter, seems to be pretty cheap)
- <https://www.instructables.com/id/Make-a-Birdhouse-Using-CNC/>
- <https://aribabox.com/products/bird-box> (cost 6\$)
- <https://www.epiloglaser.com/resources/sample-club/birdhouse-laser-cutting.htm>
- <https://www.thingiverse.com/thing:916051> (**simple, classic, needs to be test cut before**)

<https://oneguyoneblog.com/2019/09/09/esp32-cam-esp32-camera-sd-card-slot/>

## Teile Option 1

- <https://www.berrybase.de/raspberry-pi-co/esp8266-esp32/esp32-cam-development-board-inkl.-ov2640-kameramodul?c=306>
  - <https://www.fambach.net/esp32-cam-modul/>
  - <https://brettbeeson.com.au/mini-battery-and-solar-powered-timelapse-camera/>
- <https://www.robotshop.com/de/de/37v-1000mah-5c-lipo-akku.html>
- <https://www.robotshop.com/de/de/seedstudio-usb-ladegerat-und-power-booster-lipo-rider-13.html>
- <https://www.az-delivery.de/products/hw-598-usb-auf-seriell-adapter-mit-cp2102-chip-und-kabel?variant=19558219415648>
- [https://www.reichelt.de/microsdhc-speicherkarte-4gb-intenso-intenso-msdhc4g-p83730.html?&tstct=vrt\\_pdn&nb=1](https://www.reichelt.de/microsdhc-speicherkarte-4gb-intenso-intenso-msdhc4g-p83730.html?&tstct=vrt_pdn&nb=1)

## Teile Option 2

- [https://www.banggood.com/de/LILYGO-TTGO-T-Journal-ESP32-Camera-Development-Board-OV2640-SMA-WiFi-3dbi-Antenna-0\\_91-OLED-Camera-Board-p-1379925.html?gmcCountry=DE&currency=EUR&createTmp=1&utm\\_source=googleshopping&utm\\_medium=cpc\\_bgs&utm\\_content=frank&utm\\_campaign=frank-pla-de-all-0513&ad\\_id=435242839872&gclid=CjwKCAjw97P5BRBQEiwAGfV6e0b73fa49WSezMgbvZAU M4fEx9YpjHp8L4AMkc34H81IV520pKSQxoCff8QAvD\\_BwE&cur\\_warehouse=CN](https://www.banggood.com/de/LILYGO-TTGO-T-Journal-ESP32-Camera-Development-Board-OV2640-SMA-WiFi-3dbi-Antenna-0_91-OLED-Camera-Board-p-1379925.html?gmcCountry=DE&currency=EUR&createTmp=1&utm_source=googleshopping&utm_medium=cpc_bgs&utm_content=frank&utm_campaign=frank-pla-de-all-0513&ad_id=435242839872&gclid=CjwKCAjw97P5BRBQEiwAGfV6e0b73fa49WSezMgbvZAU M4fEx9YpjHp8L4AMkc34H81IV520pKSQxoCff8QAvD_BwE&cur_warehouse=CN)
  - <https://randomnerdtutorials.com/ttgo-t-journal-esp32-camera-getting-started/>
  - <https://oneguyoneblog.com/2019/09/03/lilygo-ttgo-t-journal-esp32-ov2640-camera/>
  - <https://www.robotshop.com/de/de/37v-1000mah-5c-lipo-akku.html>

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