



## Whoop canopy



Bacon2002

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### Summary

This is a strong and light Tiny Whoop style (25.5 x 25.5 mounting) canopy specifically deigned to accept: HDZero -...

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Tags: [whoop](#) [fpv](#) [tinywhoop](#) [thingiverse](#) [fpvcameramount](#)  
[elrs](#) [tkr](#) [toothpickcanopy](#) [hdzero](#) [tinywhoopcanopy](#)

This is a strong and light Tiny Whoop style (25.5 x 25.5 mounting) canopy specifically deigned to accept:

- HDZero - Nano camera (also other 14mm nano style cameras)
- Happymodel - ELRS PP / EP2 receivers (the RX fits behind the camera on a tray - glue in place)
- VTX antenna (these are light weight & cheap - 4mm diameter single element type) - friction fit or glue

The canopy provides good protection and stability for the camera.

Four versions included:

NEW - TW (Tiny Whoop) Fastback version

NEW - TP (Tooth Pick) Fastback version

Old version - tiny whoop style - taller version with screws from the top down into a regular whoop frame

Old version - toothpick style - taller version that takes 2mm nylon nuts with the mounting bolts coming up through the frame from the bottom up

The new versions have improved characteristics - lighter (2 grams - printed in ABS), refined to improve strength with better protection for longer lenses.

Note - a newer lighter (1g) canopy for - HDZero - Nano lite - <https://www.printables.com/model/401939-whoop-micro-canopy-hd-zero-nano-lite-camera>

The micros in the pictures

Whoop

- Whoop - Trashcan 75mm frame
- Happymodel Crazybee F4 Pro V3
- Happymodel PP / EP2 RX
- Happymodel EX102 10000kv motors (2S =13000kv / 3S = 10000kv)
- HDZero whoop VTX
- HDZero nano camera
- Firmware Betaflight 4.3 / BlueJay 0.16 @ 96k

TKS Rocket

- TKS 1s Rocket freestyle frame 75mm 2mm carbon (fitted with 2S) - <https://www.jacks3dprinting.com/collections/frames/products/tks-65mm>
- Happymodel Crazybee F4 Pro V3
- Happymodel EP2 RX
- Happymodel EX102 10000kv motors (2S =13000kv / 3S = 10000kv)
- HDZero whoop VTX
- HDZero nano camera
- TKS 75mm frame
- Custom battery mount - <https://www.thingiverse.com/thing:4831044>
- Firmware Betaflight 4.3 / BlueJay 0.16 @ 96k

Presets for Betaflight:

- <https://github.com/Bacon2002/firmware-presets>
- Bacon2002-Presets-Live

The canopy was designed for a TKS / whoops / micros / toothpick frame.

TKS Rocket 2S 78mm frame but fitted with 3S to follow... <https://www.jacks3dprinting.com/products/tns-2s-rocket-race-78mm-2-5mm-carbon-with-motor-screws>

Also see the following for different version which can accommodate lollypop style antenna: <https://www.thingiverse.com/thing:4830204> <https://www.thingiverse.com/thing:4831044>

Category: R/C Vehicles

## This remix is based on



**Whoop canopy**

by Bacon2002

## Model files



**whoop\_canopy\_2022.3mf**



**whoopcanopynormount.3mf**



**tpfastback.3mf**



**twfastback.stl**



**whoopcanopy2022.stl**



**tpfastback.stl**



**whoopcanopynormount.stl**



**twfastback.3mf**

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

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