



SKELTER5

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[VIEW IN BROWSER](#)

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Summary

A 5" freestyle frame. Designed to provide a balance between durability, and agility.

[Hobby & Makers](#) > [RC & Robotics](#)

Tags: [drone](#) [dji](#) [fpv](#) [freestyle](#) [hdzero](#) [walksnail](#)

Update* added separate camera plates for DJI 03. Skelter V2 frame now available <https://www.printables.com/model/618791-skelter5-v2>

A 5" freestyle frame. Designed to provide a balance between durability and agility; while still maintaining great frame resonance to reduce gyro noise. Last but not least, multi video system support with 20, 25.5, and 30.5 mounting in the rear.

Frame cutting services

- cncdrones (cncmadness) and armattan productions are a couple recommendations
- I recommend cncdrones if you are in the US
- make sure to email them with all frame dxf files, as well as part list and diagram
- an email will only be for the carbon, unless otherwise stated.
- cncdrones will provide all necessary hardware when available on their website

- you can always ask if they have available hardware

Frame hardware

- (6) M3X8mm for top plate
- (2) M3x6mm countersunk for top
- (4) M3x10mm bottom front and rear
- (4) M3x12mm bottom through pressnuts
- (4) M3x16mm bottom through arms
- (2) M3x8mm camera cage
- (4) M3x25mm countersunk for 30.5mm stack
- note (4) M3x8mm if using 20mm stack
- (16) M3x8mm for motors
- (7) M3 20mm standoffs
- (2) M3 28mm standoffs
- (8) M3 pressnuts
- note cncdrones will install pressnuts if ordering through them

Carbon list

- (1) top plate 2mm
- (1) bottom plate 2.5mm
- (1) mid plate 2mm
- (1) center plate 4mm
- note can request center plate at 3mm. That would require 25mm stack screws to be slightly filed down
- (2) camera plates 2.5mm
- (4) arms 6mm

My hdzero build

- foxeer reaper 65a esc
- foxeer f7 flight controller
- hdzero freestyle vtx
- nano90 camera
- radiomaster elrs
- newbeedrone flow 2306.5 1850kv
- rchacker 1300mAh 6s battery
- gemfan freestyle 3s 5.1x3x3 props
- auw without gopro 636g

frame weight no tpu 127g

Prints

- cam tpu 19_20 is reversable
- alternative seperate 20mm cam tpu
- nano camera mount as well as three fixed angles for nano90 cam

- axii mount is compatible with lumenier axii 2, xilo axii, foxeer lollipop, and similar sized antennas
- minion mount is for vas minion pro vtx antenna
- rear 220 gps mount uses two parts. The main part is designed for a 20mm standoff to pass through
- rear gps has three base lengths to accommodate different antenna configurations
- universal gopro mount and front gps mount has spacing for standard washers, as well as countersink finishing washers
- two universal vtx antenna mounts
- one designed for stock included antenna, and other for antennas with 4mm tube
- universal vtx antenna has a tpu lock ring similar to what quadmula uses
- different receiver antenna mount. Universal as well as specific. Radiomaster and betafpv are a more durable mount. May fit others as well
- couple other prints are labeled with elrs in their description. Those are incorporating the standard thin happymodel style antennas
- xt60 grommet for top plate to protect the power leads from being cut up

additional dxf file and scale image for battery pad. Used with cricut machine

I hope you enjoy this frame as much as I do. If you have any questions feel free to ask. Don't forget to check out the wu tank max2 and other frame from ledrone.club

This remix is based on



WU TANK MAX2 (Sparrow Edition) - 5 & 6 inch freestyle frame

by ledrone.club

Model files



model files

9 files



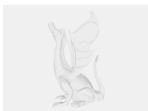
skelter5_arm.dxf



skelter5_v2_r_03_cam_plate.dxf



skelter5_v2_l_03_cam_plate.dxf



skelter_cam_plate.dxf



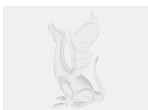
skelter5_center_plate.dxf



skelter5_top.dxf



battery_pad.dxf



skelter_mid.dxf

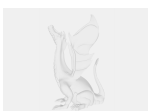


skelter_bottom.dxf



step files

6 files



skelter_cam_plate.step



skelter_bottom.step



skelter5_center_plate.step



skelter_mid_plate.step



skelter5_top.step



skelter5_arm.step



nano90_30.stl



short_gps_base.stl



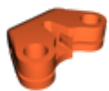
front_bumper.stl



20_cam_tpu.stl



220_gps_rear.stl



betafpv_elrs.stl



rm_elrs.stl



elrs_universal.stl



arm_skids.stl



universal_antenna_4_tube.stl



sma_elrs.stl



4_antenna_ring.stl



front_bumper_elrs.stl



axii_mount.stl



arm_bumpers.stl



nano90_20.stl



minion_mount.stl



nano90_25.stl



19_20-cam-tpu.stl



15_antenna_lock_ring.stl



universal_antenna_15_tube.stl



xt60_grommet.stl



long_gps_base.stl



nano_cam_mount.stl



mid_gps_base.stl



180_gps_front.stl



universal_gopro_mount.stl



03_tpu.stl

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