

SPYDER XTREME



Spyder Xtreme FPV Multirotor Hexacopter

Based on the popular spider hexacopter design, the Spyder Xtreme hexacopter brings to you a nearly unobstructed view for FPV flying pleasure. Made with G10 fiberglass and aluminum, the airframe offers great rigidity and durability. We've designed mounting points for fixed mount or stabilized camera gimbals (optional) for greater flexibility. The battery tray is adjustable to compensate for the placement of additional equipment and for varying battery sizes and weights. The aluminum parts are anodized for a quality finish that lasts. The kit comes with prefabricated parts that make assembly a breeze and uses high quality hardware. The Spyder Xtreme provides a unique flight experience that is hard to find in any other frame design.

Suitable Uses:

- FPV (First Person Video)
- Fixed Mount GoPro® or other HD Camera
- Transport
- Sport Flying
- Surveillance
- Follow Me
- Utility

Tested with these flight controllers:

- DJI Naza M w/ GPS
- DJI Naza M V2 w/ GPS
- DJI WooKong M
- 3DRobotics APM
- 3DRobotics PixHawk
- AutoQuad AQ6
- New Flight Controllers are being tested regularly

Features:

- Frames are designed and made in the USA
- Prop size: 8" to 10" supported
- Weight: 1220 grams without battery
- Battery: 3S To 4S (4S Recommended)
- Adjustable Battery Tray
- Abundant frame area to mount optional FPV and other user equipment
- Designed for ease of assembly and repair
- Through arm motor wiring for clean appearance
- Includes a Power Distribution Board (PDB) with factory soldered ESC's and LED connection pigtails with JST connectors.
- The PDB and ESC's are located between frame and ESC Mounting plate for protection.
- Built in FPV and GoPro® Camera Mounts
- A full line of spare parts is available.



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Kit Includes:

- (1) Airframe including all factory CNC cut G10 parts, all pre-wired machined and anodized aluminum arms and all assembly hardware
- (4) Sets of Standard landing gear to provide enough clearance for GoPro® size cameras with mounting cover
- (2) Transmitter mounting brackets for video and telemetry transmitters/transceivers
- (1) FPV camera mount designed to fit most optional FPV camera mounting brackets
- (1) GoPro® or similar style camera mount designed to allow the attachment of most stick-on camera mounts
- (1) Adjustable battery plate large enough to fit most standard battery packs for extended flight time.
- (6) 2212 – 980KV quality brushless motors
- (6) 25A Quality ESC's factory flashed with SimonK firmware and factory soldered to the included power distribution board (PDB)
- (6) 8" X 5 Quality, factory balanced props, (3) CW rotation props, (3) CCW rotation props
- (2) Red LED strips with 6 LED's each, includes JST pigtail to connect to mating JST pigtail factory soldered to the included PDB
- (2) Blue LED strips with 6 LED's each, includes JST pigtail to connect to mating JST pigtail factory soldered to the included PDB

Required to Complete:

- Flight Controller
- Receiver
- Batteries

Replacement Parts List:

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
EXFPV-S001A	SPYDER FPV MAIN PLATE - BOTTOM
EXFPV-S002A	SPYDER FPV MAIN PLATE - UPPER
EXFPV-S003A	SPYDER FPV BATTERY PLATE
EXFPV-S004A	SPYDER FPV BATTERY PLATE RETAINER, 2-PACK
EXFPV-S005A	SPYDER FPV CAMERA PLATE
EXFPV-SGPMA	GOPRO MOUNT
EXFPV-S007A	SPYDER ESC MOUNTING PLATE
EXFPV-S008A	SPYDER HEX DJI VU MOUNT
EXFPV-RP10A	FRAME RETAINER, 6-PACK
EXFPV-LGEXA	MULTICOPTER EXTENDED GEAR LEG, 8-PACK
EXFPV-TXMTA	VIDEO TRANSMITTER MOUNTING PLATE, 2-PACK
EXFPV-ARM-196RAW	MULTICOPTER MOTOR ARM RED ANODIZED - 10MM x 10MM x 196MM ALUMINUM W/WIRE AND BULLET ASSM
EXFPV-ARM-262BAW	MULTICOPTER MOTOR ARM BLACK ANODIZED - 10MM x 10MM x 262MM ALUMINUM W/WIRE AND BULLET ASSM
EXFPV-ARM-345BAW	MULTICOPTER MOTOR ARM BLACK ANODIZED - 10MM x 10MM x 345MM ALUMINUM W/WIRE AND BULLET ASSM
EXFPV-PDB-BE	POWER DISTRIBUTION BOARD BASIC EDITION
EXFPV-0805CFNP	8x5 MRP Carbon Fiber Normal rotation prop, 3-PACK
EXFPV-0805CFRP	8x5 MRP Carbon Fiber Reversed Rotation Prop, 3-PACK
EXFPV-M980S	X2212-980KV SERIES BRUSHLESS MOTOR
EXFPV-25ZTW-RD	B-ZTW 25A BEC (Simonk Firmware)
EXFPV-WB14-200	14 AWG BLACK WIRE PER/FT – 1.167'
EXFPV-WR14-200	14 AWG RED WIRE PER/FT – 1.167'
EXFPV-MDC	MALE DEANS CONNECTOR
EXFPV-EPB-9125	Pigtail Female JST Connectors, 5-PACK
EXFPV-EPB-9124	Pigtail Male JST Connectors, 5-PACK
EXFPV-V50X8B	1/2" x 8" One-Wrap Velcro Straps, 5-PACK
EXFPV-V05B	General Purpose Nylon Hook and Loop, 1/2" Width x 50' Length, Adhesive Back, Black, 6"
EXFPV-40CT	Standard Nylon Cable Tie 4" L, 7/8" Bundle Dia, 18# Tensile Strg, UV Black, 5-PACK
EXFPV-55CT	Standard Nylon Cable Tie 5-1/2" L, 1" Bundle Dia, 50#Tensile Strength, UV Black, 5-PACK
EXFPV-LED-TR6	High Density R/C LED Flexible Strip-Red 6 LED'S – 2-PACK
EXFPV-LED-TB6	High Density R/C LED Flexible Strip-Blue 6 LED'S – 2-PACK
EXFPV-HW18	Metric Socket Head Cap Screw Alloy Steel, M3 Thread, 18mm Length, 5-PACK
EXFPV-HW35CS	Metric Flat Head Socket Cap Screw M3 Size, 35 mm Length, 5-PACK
EXFPV-HB20	Metric STL Button Head Socket Cap Screw M3 Size, 20 mm Length, 5-PACK
EXFPV-HW3N	Metric Zinc-Plated Steel Nylon-Insert Locknut Class 8, M3 Screw Size, 5-PACK
EXFPV-HW30	Metric Socket Head Cap Screw Alloy Steel, M3 Thread, 30mm Length, 5-PACK
EXFPV-HN3N	Metric Black Nylon 6/6 Hex Nut M3 Size, 5-PACK
EXFPV-HN20	Metric Nylon Cheesehead Slotted Machine Screw Black, M3 Size, 20 mm Length, 5-PACK
EXFPV-HW08	Metric Socket Head Cap Screw Alloy Steel, M3 Thread, 8mm Length, 1-PACK
EXFPV-FS810	8MM x 3.2MM X 10MM SPACER – 5-PACK
EXFPV-FS815	8MM x 3.2MM X 15MM SPACER – 5-PACK

