FIREFLY6

Operate Anywhere

When seconds count, a big open field with a permissive landowner is only minutes away ... on a super good day. Requiring only a 10x10 foot (3x3m) launch/recovery area, the FireFLY6 PRO is a practical solution that can be launched quickly from anywhere, thanks to its industry-leading Vertical Takeoff and Landing (VTOL) capability.

Cover More Ground

While traditional multicopters can match the FireFLY6 PRO's VTOL capability, they fly slowly and inefficiently. With superior flight time and faster ground speed, the FireFLY6 PRO leaves multicopters far behind when it comes to coverage. Gain efficiency and effectiveness by covering more area, faster.

Return Safely, Every Time

Pure fixed wing platforms have long been the dominant players in applications that require extended flight times, but landing accurately requires expert piloting and often a bit of luck. Common workarounds (reverse thrust/deep stall) still require large areas and result in violent landings. In cluttered real world scenarios, the FireFLY6 PRO's exceptionally accurate, soft landings ensure that your flights end without damage to precious payloads or surrounding property.

BIRDSEYEVIEW AEROBOTICS

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ALDARA

AvA

AvA (Advanced VTOL Autonomy) is flight control firmware gracefully handles the FireFLY6 in all regimes – takeoff to landing. Flight mode transitions from hover to forward flight (and back) are fully AvA-controlled, making transitions a simple matter of flicking a switch. No special radio programming or piloting techniques required. AvA also enables fully-scripted autonomous operations, where all flight behavior (including transitions) can be pre-planned using map-based point-and-click commands in our custom interface, FireFLY6 Planner.

Tailored specifically to the FireFLY6, AvA also offers industry-leading functionality like Smart Wind Assist (providing incredibly reliable auto landings and improved hover stability in even the most windy conditions) and Boat Mode (allowing takeoffs from non-stationary platforms). AvA keys unlock different levels of functionality, each level aimed at a specific user group: Sport, Pro, and Mapping.

	Transition	Stabilize	Altitude Hold (AltHold)	Land	Return to Launch (RTL)	Loiter	Guided (Fly to Here)	Auto	Camera Triggering
Mapping Key	X	X	X	X	X	X	X	X	X
Pro Key	X	X	X	X	X	X	X	X	
Sport Key	X	X	X	X	X				

PAYLOADS

Digital Cameras:

-Sony a5100
-Sony a6000
-Canon s110
-Canon s100

Multi-spectral:

-Micasense RedEdge

Action Cameras:

-FY-G3 Ultra 3-Axis
-GoPro Hero 3
-GoPro Hero 4

Thermal:

-Gimbaled FLIR Vue

SPECIFICATIONS

- Wingspan - 1524 mm
- Length - 950 mm
- Weight - 3.0-4.1kg
- Flight Time - up to 45minutes
- Payload Capacity - up to 1.1kg
- Durable EPO foam body

- Cruise Speed - 15-29m/s
- Phsyical Range - 36km
- Wireless Range - 5km
- Coverage - 180ha
- Carbon fiber frame, with aircraft-grade plywood