

SPECIFICATION

Model	Firefly	Firefly Pro
Drone		
Dimension	745x555x252 mm (unfolded); 273x224x107 mm (folded)	745x555x292 mm (unfolded); 273x224x147 mm (folded)
Weight (without payload)	2.4 kg	2.45 kg
Maximum Take-off Weight	3.4 kg	3.45 kg
Payload Capacity	max. 1 kg	
Maximum Ceiling	3500 m	
Wind Resistance	10 m/s (Beaufort 5)	
Working Temperature	-10~+50 °C	
Power Supply	Lithium-polymer battery, 4S, 12000 mAh, 15.2 V, 182.4 Wh	
Flight Endurance	max. 39 min	
Cruising Speed	max. 15 m/s (sport mode)	
Ascending Speed	max. 5 m/s (sport mode)	
Descending Speed	3 m/s	
Hovering Accuracy (P-GPS)	H. ±1.5 m (downward vision: ±0.3 m); V. ±0.5 m (downward vision: ±0.1 m)	
Hovering Accuracy (D-RTK)	/	H. ±0.2 m; V. ±0.1 m
Dual RTK Direction Detection	/	accuracy ±1°
Forward Vision System		
Detecting Range	0.5~15 m	
Suited Environment	obstacles with rich textures & moderate lighting (>15 lux, normal indoor fluorescent light)	
Downward Vision System		
Tachometer Range	speed ≤10 m/s (@AGL 8m, moderate lighting)	
Precise Hovering Range	0.3 ~8 m	
Suited Environment	obstacles with rich textures & moderate lighting (>15 lux, normal indoor fluorescent light)	
Remote Controller		
Control Frequency	2.4 GHz	
Radio Datalink Range	max. 7 km (with moderate intervisibility)	
Working Temperature	-10~+50 °C	
Power Supply	Lithium battery built in, 5000 mAh, 8.4 V	
Communication Interface	Type-A, USB	
Charger		
Purpose	for drone battery and remote controller both	
Rated Power	68 W	
Voltage	16.8 V	

Note: all information above is subject to change without any prior notice.

FIREFLY PRO PACKAGE

aircraft unit	x1
backup propeller	x4
landing gear extension	x4
remote controller (RC)	x1
RC tablet holder	x1
drone battery	x1
battery charger	x1
charger cable	x1
front RTK antenna (pre-installed)	x1
drone backpack	x1

(Note: take Firefly Pro for example)



FLY2APP SERIES

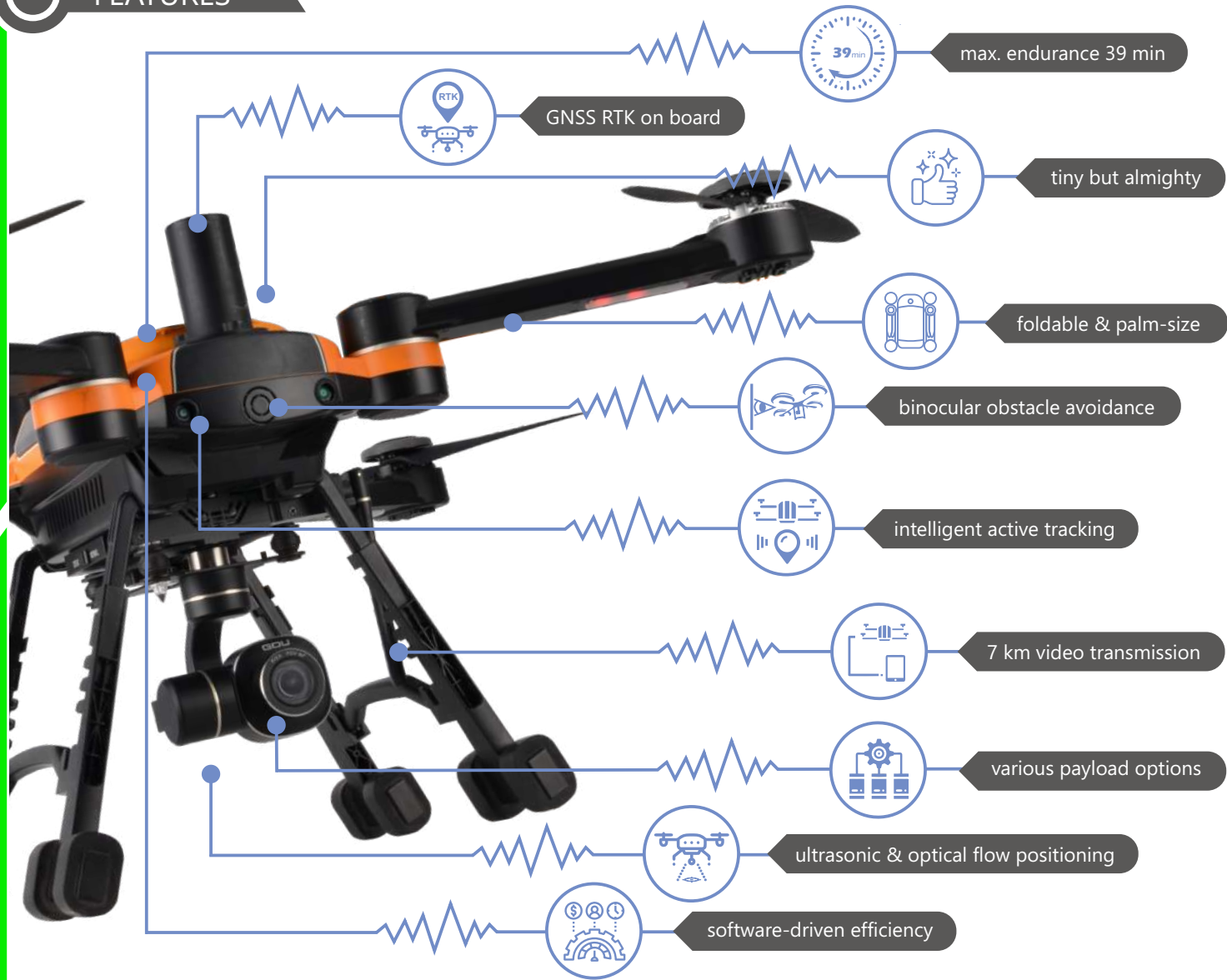
Firefly / Firefly Pro

Born to Challenge

Versatile Applications



FEATURES



PAYLOADS

4K gimbal camera

- 3-axis gimbal stabilizer
- 249 g, 120x87x110 mm
- FOV 94°, F2.8, E24 mm
- image 4000X3000, resolution 12.4 MP
- video UHD: (4096x2160)(24,30)
- 2.7K: (2704x2028)(25,30)
- FHD: (1920x1080)(30,60)
- HD: (1280x720)(30,60)

10X(1K) optical zoom camera
(30X(1K), 35X(4K) available also)

- 3-axis gimbal stabilizer
- 433 g, 124x84x115 mm
- FOV 66.6°(wide)-7.2°(long)
- one-key/manual focus, F4.9-49 mm
- image 4352x3264, resolution 14 MP
- video FHD: 1920x1080 30FPS
- exposure compensation ±3 (1EV)
- white balance: auto, sunny, cloudy, incandescent

thermal infrared camera

- 3-axis gimbal stabilizer
- 470 g, 160x150x154 mm
- infrared 800x600, E20 mm, F1.2
- visible 1280x720, E3 mm, F2.2
- infrared/visible picture-in-picture
- infrared one-key/slight focus
- visible one-key focus
- supports single shot, sequence shot, burst shooting, time lapse

3-in-1 integrated camera

- visible+infrared+laser
- 3-axis gimbal stabilizer
- 600 g, 111x126x151 mm
- infrared 640x512, E25 mm, F1.13
- one-key/manual focus, F4.9-49 mm
- image 4352x3264
- video 1920x1080 30FPS
- laser ranging 6-600 m

gas detector

UAV-based sensors that detect ex gas or toxic gas

- NO2, SO2
- CO, O3
- H2S, ZH
- ZH03B, ZS03

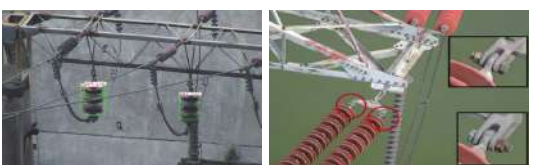
search light

megaphone

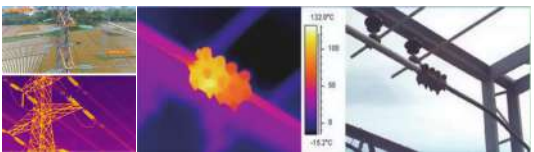
SHOWCASE



Power Lines Inspection



grid device detection grid fault detection



thermal imaging high-temperature inspection



multi-drone with 1 control do more with less



Fire Rescue Operation



visible light to detect flame infrared to detect heat source



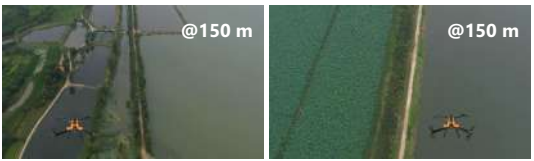
AI-based fire point marking digital emergency planning



smart fire rescue operation command & mobilization



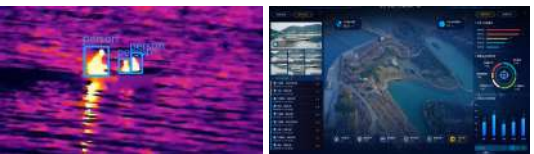
Watercourse Enforcement



4K aerial videography 30X zoom videography



target locating target tracking



illegal fishing/discharge illegal case statistics

PLENTY
MORE

