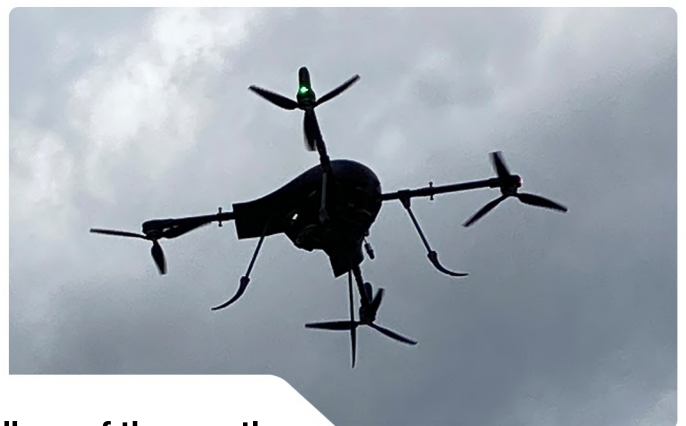




**Photo of Actual Rescue Mission**  
The Falcon II flies in all weather  
and high winds

— ALL-WEATHER —  
**FALCON II**

The Falcon II UAS is a versatile, all-weather, high-wind multi-copter designed for exceptional performance, enabling it to navigate safely and reliably even in challenging conditions such as rain, storms, and winds of up to 60 knots. Unlike other Part-107 UAS models in its category, the Falcon II excels in adverse weather conditions, including strong winds, rain, or snow. Its capabilities extend beyond mere resilience to bad weather, boasting impressive performance features such as a flight time exceeding 60 minutes with a camera payload, a top speed of 80MPH, 60 knot wind resistance, the capacity to carry a 20lb payload for 20 minutes, and a line-of-sight range of over 20 km. With readiness paramount, the Falcon II stands ready for operation when needed most.



**Ready to Fly - regardless of the weather**

# FALCON II

ALL-WEATHER, HIGH-WIND MULTI-COPTER DESIGNED FOR EXCEPTIONAL PERFORMANCE

WAVE  AEROSPACE

## / BEST IN CLASS

**ENDURANCE**  
60+ MINUTES

**ALL-WEATHER**  
IP66  
WEATHERPROOF

**WIND RESISTANCE**  
60 KNOTS  
(69 MPH, 31M/S)

**MAXIMUM PAYLOAD CAPACITY**  
9 KG (20 LBS)

**MAXIMUM AIRSPEED**  
70 KNOTS  
(80MPH, 36 M/S)

**LINK RANGE**  
20+ KM (12.5 MILES)

## / SPECIFICATIONS

<b>DIMENSIONS</b>	1770 x 1770 x 415 mm (69.5 x 69.5 x 16.5 inches)
<b>DIMENSIONS UNFOLDED</b>	620 x 620 x 415 mm (24.5 x 24.5 x 16.5 inches)
<b>MAX RECOMMENDED TAKEOFF WEIGHT</b>	20 kg (44 lbs)
<b>AIRCRAFT WEIGHT W/ 1X 1443 WH BATTERY</b>	10.4 kg (22.9 lbs)
<b>PAYLOAD CAPACITY W/ 1X 1443 WH BATTERY</b>	9 kg (20 lbs)
<b>MAX ANGULAR VELOCITY TILT</b>	300°/s, Yaw: 200°/s
<b>OPERATING TEMPERATURE RANGE</b>	-17°C to 50°C (0°F - 122°F)
<b>MAX ALTITUDE</b>	5,000m (16,400 ft)
<b>POWER SUPPLY</b>	30,000 mAh, 1443 Wh, 48 V Solid State Lithium Polymer 13S1P
<b>PROPELLERS</b>	3-blade, 470 mm (18.5 in) prebalanced Carbon Fiber
<b>ENCRYPTION</b>	AES 256 Hardware Accelerated Encryption
<b>GPS</b>	Versatile GNSS receiver with 1.5m horizontal accuracy

## / MISSION PROFILES

- » Marine operations
- » Embedded, all-weather reconnaissance
- » Search and rescue
- » BVLOS operations (where allowed)
- » Long duration camera platform
- » Port Operations, Observation and Surveillance
- » Command, Control, Communication Support

## / KEY FEATURES

- » Set up and operational in less than 5 mins
- » Autonomous Take off and Landing
- » Low Level Terrain tracking for smooth landing in all conditions
- » Weatherproof – Water and High wind resistance
- » FAA approved lighting for night operation
- » Space-Efficient Carrying Case Size

## / FALCON II PAYLOAD VERSATILITY



All Falcon II LE models may be outfitted with an EO/IR Payload.

Additional camera/payload options available at customer request.



**The Falcon II is a versatile, all-weather, high-wind multi-copter designed for exceptional performance, ready to fly when you need it the most.**