

# EDGE

The Edge VTOL tricopter is a consumer-priced, military-grade UAS designed for long-range, long-endurance missions. It incorporates the best features on the market in one package: vertical take off & landing capabilities, automatic transition between hover and forward flight modes, and quick, tool-free payload swapping. Revolutionary technology delivers autonomous flight, superior endurance, optimal efficiency, and seamless control making it the professional pilot's choice. The Edge can takeoff and land anywhere, even in high winds, without the need for nets, catapults, or other cumbersome ground equipment. An intuitive touchscreen ground control station makes autonomous or manual flying easy.



## PAYLOAD SYSTEM

Edge allows payloads to be swapped in seconds with no tools or special equipment - no need to buy a new aircraft for every camera or sensor. Its payload interface is open and available to anyone interested in getting new technology in the sky quickly and inexpensively.



### FLIGHTWAVE OVERWATCH GIMBAL

4K video with High-res Thermal Vision, Stabilized 3-Axis Gimbal



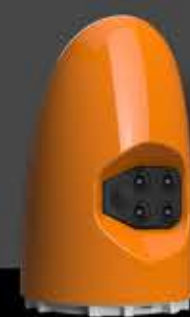
### FLIGHTWAVE MAPPING ARRAY

39MP, three-camera ultra-wide mapping array for 1cm/pixel 1000 acre maps



### SENTERA 6X

Advanced 5-Band Multispectral Data with 20MP Color and a Calibrating Light Sensor



### PARROT SEQUIOA

4-Band Multispectral Data with 16MP Color and a Calibrating Light Sensor



### COLIBRI 1/2

6x Zoom / 20x Zoom Dual-Channel EO/IR Micro Stabilized 2 Axis Gimbal

- VEHICLE MASS**  
1,200 g | 2.65 lb
- ENERGY STORAGE**  
Lithium-ion
- COMM FREQUENCIES**  
900 MHz Telemetry | 2.4 GHz Data
- NOMINAL CRUISE SPEED**  
15 m/s | 33 mph | 55 kph
- MAX. CRUISE SPEED**  
27 m/s | 65 mph | 100 kph
- MIN. CRUISE SPEED**  
11 m/s | 24 mph | 40 kph
- MAX. ALTITUDE**  
3,650 m | 12,000 ft
- MAX. PAYLOAD MASS**  
345 g | 0.76 lb
- CRUISE ENDURANCE**  
125 minutes
- HOVER ONLY ENDURANCE**  
30 minutes
- BATTERY NOMINAL CAPACITY**  
86.4 Wh, 6.0Ah, 14.4V
- MAX. WIND SPEED**  
17 m/s | 40 mph | 64 kph
- MAX. WIND GUST**  
6 m/s | 13 mph | 21 kph



## AUTONOMY

FlightWave's enhanced autopilot technology allows entire missions to be planned and executed with a few swipes. Autonomy spans multi-rotor and fixed-wing flight via exclusive thrust-vector control, allowing for seamless transitions without pilot input or manual control. Leverage numerous pre-programmed mapping and other missions or design your own in seconds. Embedded payload controls allow cameras or other sensors to point and swap modes easily.

