



### GCS & Mission Planner

Experience seamless autonomy as The Edge effortlessly transitions between multi-rotor and fixed-wing flight using exclusive thrust-vector control—no pilot input needed.

Leverage numerous pre-programmed mapping and other missions or design your own in seconds. Seamlessly swap modes, point cameras, and manage sensors using native controls while sharing real-time flight info and live video footage with your team through the USB-C interface.



#### OVERWATCH GIMBAL FEATURES

- > Electro-optical infrared (EOIR) capabilities
- > 3 axis gimbal-stabilized platform
- > On-board SD-card while streaming live compressed video
- > FlightWave Glo-12K Electronic Global Shutter: 4K at 30 fps, 10x zoom
- > Thermal video 640x512 px, 2x zoom

#### MAPPING ARRAY FEATURES

- > 3 simultaneously triggered 13 MP CMOS cameras
- > 39 MP of image data at up to 5 fps
- > Up to 1 TB of data at over 1400 MB per second Removable SD
- > 100 m wide image at 1 cm per pixel
- > Cover over 1600 acres of land in one flight of 60+ minutes



EDGE 130



## ARACHNID™

FAMILY OF SMALL ISR & PRECISION STRIKE SYSTEMS

A RED CAT COMPANY

# EDGE 130

BY FLIGHTWAVE

The Future of All Domain Operations

FLIGHTWAVE.AERO

INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE



FlightWave  
A RED CAT COMPANY

The Edge 130 is a military-grade hybrid fixed-wing VTOL tricopter. With its innovative vertical take-off and landing capabilities, seamless transition between hover and forward flight modes, and tool-free payload swapping, the Edge 130 is designed to operate in the most challenging environments.



CERTIFIED BLUE UAS



EDGE 130

E130

# EDGE 130

TWO CAMERAS COLLECT VIDEO IN COLOR AND INFRARED FOR REAL-TIME INSIGHT



EDGE 130 EO IMAGE



EDGE 130 IR IMAGE

## FEATURES

- › Independent tilt-pod technology enables smooth transitions between forward flight and hover
- › Encrypted AES 256 radios provide tighter security between operator and aircraft when it matters
- › Take-off and land anywhere without the need for cumbersome ground equipment
- › User controlled visual and infrared navigation beacons enable safe recovery of aircraft
- › Blue approved payloads swapped in seconds with no tools or special equipment - no need to buy an aircraft for every camera or sensor
- › Non-ISM Frequencies: Regulated radio frequencies operating beyond public ISM bands are available on demand

## SPECIFICATIONS

### Aircraft

- › Weight: 2.65 lbs (1,200 g)
- › Size: 51 in (130 cm) x 30 in (77 cm)
- › Cruise Endurance: ~60+ minutes
- › Nominal Cruise Speed: 15 m/s (33 mph)
- › Range: 12.4 miles (20 km)
- › Battery Nominal Capacity: 86.4 wh, 6.0 ah, 14.8 v

\*standard atmospheric pressure

### Payloads

- › ISR and Mapping

### Overwatch Payload

- › EO Video Recording: 4K at 30 fps, 10x zoom
- › IR Video Recording: 640x512, 2x zoom
- › Digital Data Range: 5 mi (8 km) using directional antenna

### Mapping Payload

- › 3 simultaneously triggered 13 MP CMOS cameras
- › 39 MP of image data at up to 5 fps