ISR

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

E130 _EDGE 130

BY REDCAT

ARACHNID™

FAMILY OF SMALL ISR & PRECISION STRIKE SYSTEMS

A RED CAT COMPANY

E130

EDGE 130

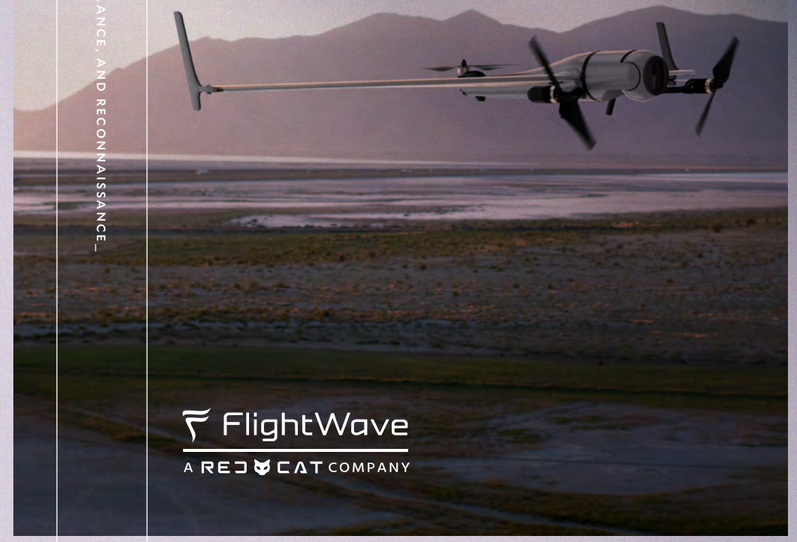
BY FLIGHTWAVE

ISR

The Future of All Domain Operations

FLIGHTWAVE.AERO

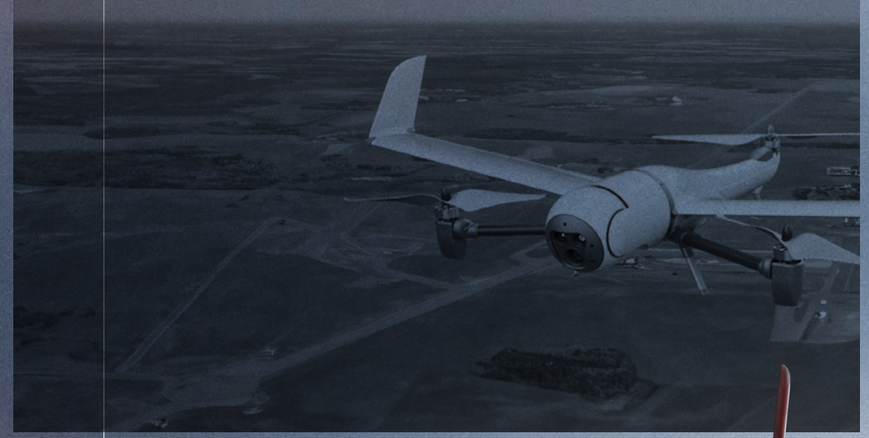
:: INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE_

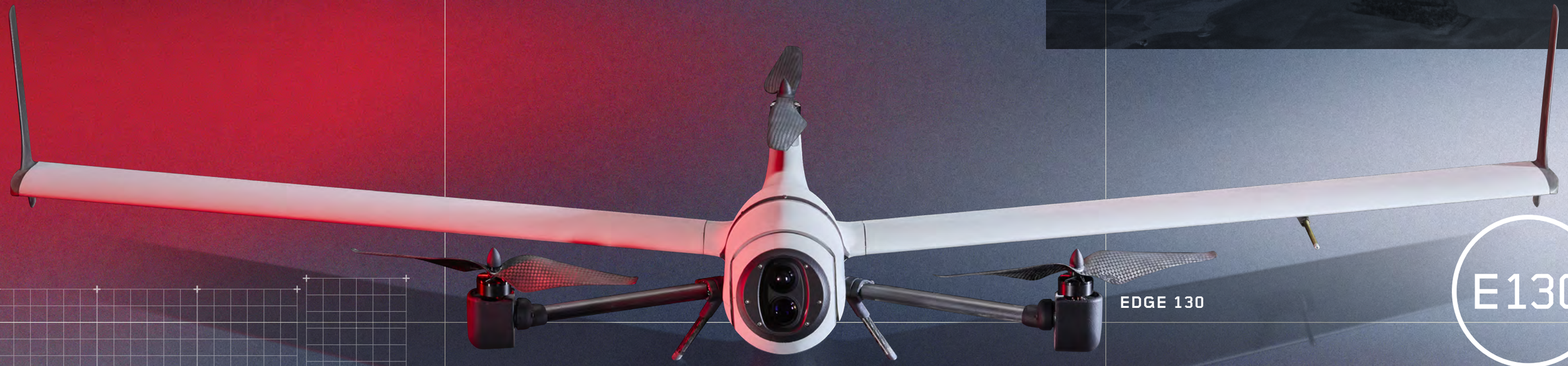


FlightWave
A RED CAT COMPANY

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

ARACHNID™ / FAMILY OF PORTABLE, LOW-COST, FIELD-REPAIRABLE, & RECOVERABLE ISR AND PRECISION STRIKE SYSTEMS

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)
- Flight Time: *60+ minutes cruise
- Speed: 27 m/s (65 mph)
- Range: 12.4 miles (20 km)
- Battery Nominal Capacity: 86.4 wh, 6.0 ah, 14.8 v

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

*standard atmospheric pressure

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