

GCS & Mission Planner

Plan missions, control the aircraft and manage payloads through the common GCS and missions planning environment. Operators can transition between flight modes, point cameras, manage sensors and share real-time flight information and live video with the team.



OCELLUS 2CP FEATURES

- EO / IR Hadron 640R + system
- Mechanical stabilization + EIS
- 64 GB microSD data storage
- EO: 64 MP, 67-degree HFOV, 4K at 30 fps, 6X digital zoom
- IR: 640 x 512 radiometric, 32-degree HFOV, 3X digital 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 removable storage
- 100 m wide image at 1 cm per pixel
- Designed for large-area mapping missions

TRI _TRICHON



BY RED CAT AERIAL

TRICHON™

EXTENDED SHORT RANGE ISR

A RED CAT COMPANY

version 261008

TRI

TRICHON™

BY RED CAT AERIAL

ISR

EXTENDED SHORT RANGE MAPPING AND ISR
Vertical takeoff. Fixed-wing efficiency.

REDCATAERIAL.COM

:: INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE_



RED CAT AERIAL

TRICHON™

Trichon is a hybrid VTOL tricopter designer for **extended short range** ISR missions. It combines vertical takeoff and landing with efficient forward flight and flexible payload integration for operations in challenging environments.

60-90 min
mission endurance

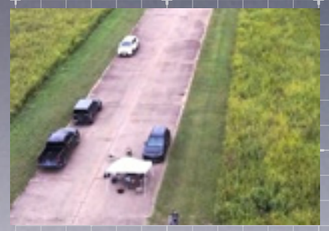




TRICHON

MAPPING + ISR

EO/IR and mapping payloads support real-time situational awareness and large-area data collection.



EO IMAGE



IR IMAGE

RED CAT AERIAL

FEATURES

- Vertical takeoff and landing
- Fixed-wing efficiency
- 60-90 min mission endurance
- Up to 350 g payload
- 11-15 km comm range with video
- 900 MHz C2, 2.4 GHz datalink
- IP54 ingress protection
- Rated to 17 m/s wind

Specifications are preliminary and will be validated before product release.

SPECIFICATIONS

Airframe
- Mass: 2,500 g airframe, 2,800 g with 300 g payload
- Wingspan: 150 cm
- Length: 66 cm
- Height: 15 cm
- Max Payload: 350 g
- Ingess protection: IP54

Performance
- Cruise speed: 14 m/s min, 17 m/s nominal, 25 m/s max
- Mission endurance: 60 to 90 min
- Range with video: 11 to 15 km
- Battery: Lithium-ion 552P, 180 Wh

Mapping Payload
- EO/IR and Mapping
- Ocellus-2CP payload
- 3-camera mapping array

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