ISR

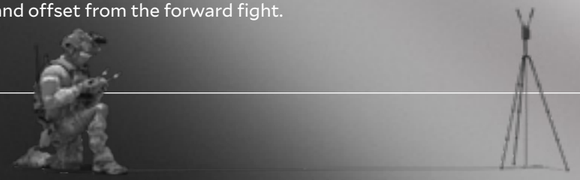


Warfighter Electronic Bridge

WEB™

WEB GCS is a universal ground control station for multi-domain platforms, including ground robotics, offering a versatile and secure control station.

WEB Standoff Radio extends the operational reach between the aircraft and operator, enabling standoff datalink performance while keeping the GCS protected and offset from the forward fight.



WEB GCS FEATURES

- High-Brightness Display
- Quick Attach / Detach Antennas
- Programmable Joysticks and Switches
- Power Out through USB-C
- HDMI Video Out
- Electro-Mechanical Interface for Future Accessories
- User Interface: ATAK, QGC

WEB GCS SPECIFICATIONS

- Weight: 3.6 lbs (1.54 kg) with 220 Wh Battery
- Video Downlink Resolution: 1080p
- Encryption: AES-256
- Frequency Bands: M1–M6 (1625 MHz to 2510 MHz)
- Channel and Band Hopping: Yes
- Latency: <250ms
- Software OS: Android
- Battery Life: 12 hours (same battery as aircraft)

H _HELLCAT



BY RED CAT AERIAL

ARACHNID™

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

RED CAT AERIAL

version 261008

ISR

H

HELLCAT™

BY RED CAT AERIAL

The Future of All Domain Operations

REDCATAERIAL.COM

:: INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE_



RED CAT AERIAL

Hellcat is a dual-use system built on the proven Black Widow™ platform and informed by the realities of modern conflict. Designed around open architecture and rapid upgradeability, Hellcat gives operators a flexible aircraft foundation that can adapt to changing missions, contested environments, and rapidly evolving operational needs.

BUILT TO STAY IN THE FIGHT

- Conflict-informed design built on MOSA
- Open platform designed for rapid iteration and updates
- GPS-denied operation from power-on
- Return to Home Azimuth recovery without GPS
- Low-visibility tactical finish
- WEB Standoff Radio for zero RF emissions from GCS
- Rucksack-portable and field-repairable



HELLCAT™

HELLCAT™

THREE-CAMERA EO/IR PAYLOAD FOR EXPANDED TACTICAL AWARENESS

Ocellus-3CP is Red Cat's newest payload configuration, combining infrared, telephoto, and wide-angle sensing in a stabilized three-camera system.



9X HIGHER RESOLUTION THAN OCELLUS-2CP

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

FEATURES / OPTIONS

- New 3-Axis Gimbal delivers advanced Electronic Image Stabilization across Pitch, Roll, and Yaw
- Doodle Hex-Band Radio with frequency-stepping for EW Resilience
- Integrated FLIR Prism AI software stack
- Optional Reveal Farsight 3D Mapping Software
- Optional Palantir Visual Based Navigation (VNAV)
- Forward-looking obstacle avoidance
- Modular Arms and Primary / Secondary Payloads
- High-processing power with Qualcomm RB5 Chip for A.I. Capabilities
- Quiet Acoustic Signature
- Low-visibility tactical finish
- Optional Aided Target Recognition Software by Sightline Intelligence (Athena AI)
- Rucksack-Portable and Field-Repairable

SPECIFICATIONS

Aircraft
- Weight: 4.26 lbs (1.93 kg)
- Flight Time: 50+ minutes*
- Max Altitude: 4,000+ ft AGL
- Speed: 18 m/s (40 mph) Range: Up to 6.8 miles (11 km) with maintained operator line-of-sight

Sensor
- System: Ocellus 3CP
- IR Camera: FLIR Boson 640 R+
- Telephoto: 35mm, F2.4, 13° FOV, 12 MP
- Wide Angle: 8mm, F2.8, 52° FOV, 16 MP
- 3 Degrees of Freedom: Roll ±35°, Pitch ±5°, Yaw +45°/-120°
- Backwards Compatible for Existing Systems

Processor
- Type: Qualcomm RB5
- GPU: Adreno 650
- CPU: Eight (8) Kryo 585 Cores

GPS Module
- Options: Civilian GNSS & Dual Band L1/L2
- GPS toggle: fly fully GPS-denied from power-on

*standard atmospheric pressure