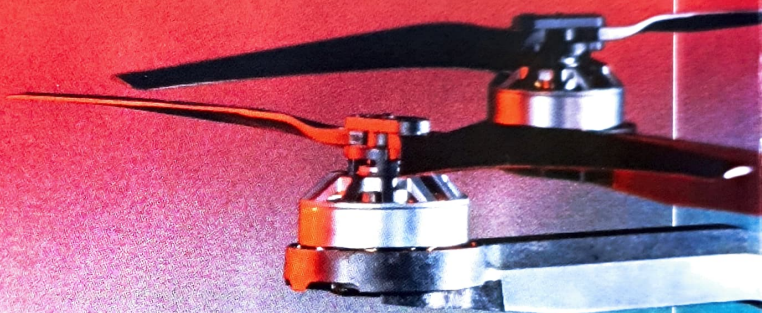With a modular architecture it enables swift adaptation to mission requirements including short range reconnaissance and secondary payload operation. The system is purpose built for the warfighter, manufactured in the USA, and made to increase survivability and warfighter safety.

BLACK WIDOW™

HIGH-RESOLUTION EO/IR IMAGERY FROM INTEGRATED HADRON 640R+ BY TELEDYNE FLIR

BLACK WIDOW DAY IMAGE

BLACK WIDOW NIGHT IMAGE

FEATURES / OPTIONS

- Doodle Hex-Band Radio with frequency-stepping for EW Resilience
- Integrated FLIR Prism AI software stack
- Integrated Reveal Farsight 3D mapping software
- Athena AI target identification, tracking and classification software
- Forward-looking obstacle avoidance
- Modular Arms and Primary / Secondary Payloads

- Visual-odometry with Visual Navigation capability in the near-future
- High-processing power with Qualcomm RB5 Chip for A.I. Capabilities
- Stealth Mode (including Mission Execution with Radios Off)
- Quiet Acoustic Signature
- Integrated Picatinny Rail for Seamless Secondary Payload Connection

SPECIFICATIONS

Aircraft
› Weight: 3.6 lbs (1.63 kg)
› Flight Time: *35+ minutes
› Speed: 10 m/s (23 mph)
› Range: 5 miles (8 km)

Remote ID
› Options: included or not

Sensor
› System: EO / IR Hadron 640R+ w/ Mechanical Stabilization & EIS
› EO Sensor: 64 MP, 67-degree HFOV
› EO Video Recording: 4K at 30 fps
› IR Sensor: Boson+ 640 Radiometric, 32-degree HFOV

Processor
› Type: Qualcomm RB5
› GPU: Adreno 650
› CPU: Kryo 585

GPS Module
› Options: C-Code, M-Code

*standard atmospheric pressure

Warfighter Electronic Bridge
WEB™

Our Warfighter Electronic Bridge is designed to command and control drone family of systems for military operations.

It provides seamless integration and management capabilities, enhancing mission efficiency and situational awareness. Additionally, WEB™ can function as a stand-alone GCS for other non-Red Cat platforms, offering versatile and secure control solutions.

FEATURES

- High-Brightness Display
- Quick Attach / Detach Antennas
- Radio Backhaul via Nett Warrior Connector
- Programmable Joysticks and Switches
- Power Out through USB-C
- HDMI Video Out
- Electro-Mechanical Interface for Future Accessories

SPECIFICATIONS

- Weight: 3 lbs
- 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: 10 hours (same battery as Aircraft)