



Lumenier Tactical Unmanned Vehicles

Designed, prototyped and deployed in months not years.

Jeff Bloch

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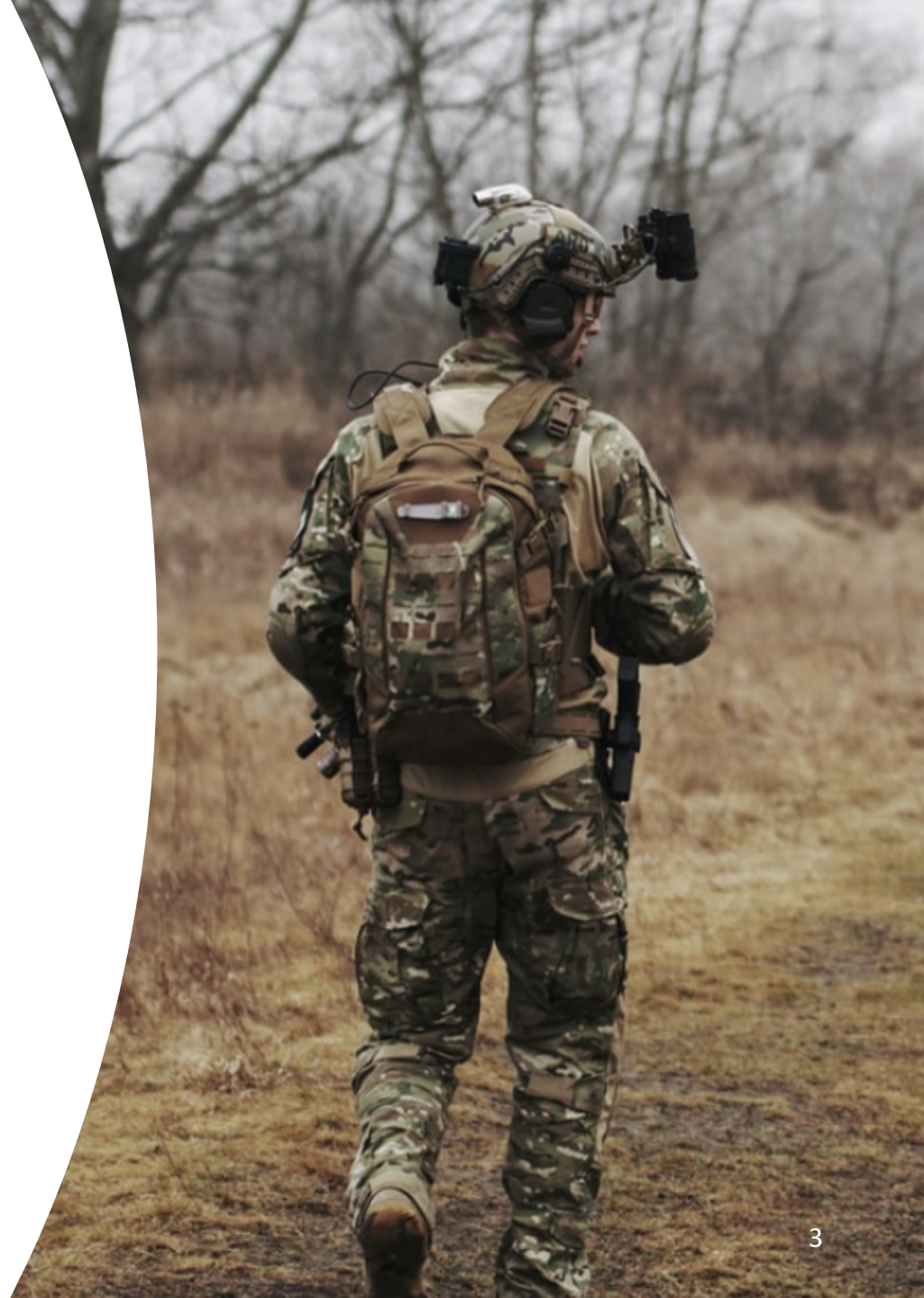
Mobile/Signal/Text: 770-329-5503



- **Largest US Distributor of sUAS components**
- **Leader in High Quality, High Performance Unmanned Air and Ground Vehicles**
- 25,000 Square Foot R&D, Production and Distribution Facility in Sarasota, Florida
- 9-year-old SMB with \$20M Annual Sales and 9 years of profitability
- Financially backed by Pfingsten Private Equity Firm: \$342M Fund V

Purposed Built Unmanned Vehicles for Discrete Operations

- Made and assembled in USA
- Operate in GPS and GPS-denied environments
- Does not store flight data, images or coordinates
- No location reporting to external sources
- No WIFI transmission
- Cyber Secure
- Low/No Light Operations
- Outdoor > Indoor
- Position/Hold - Collision Avoidance
- Small – One Operator with Backpack
- Disposable Price Point



Lumenier Tactical QAV-R 2 "Litehawk" with Position Hold

- Hands off sticks Position Hold in GPS or GPS-Denied
- Low light Flight Conditions
- TRL 9 – Technical Readiness Level
- Carry 2-4 pounds of extra payload on Pic Rail
- Available for 5" to 10" propeller sizes
- 1000 Lumens Visible Light Illuminator
- 1000 mW IR Illuminator
- Prop guards
- Available with up to 128 AES encryption
- Made in USA



Lumenier Tactical Truck

8th Scale UGV

- Elongated chassis to climb over debris and objects 6"-8" high
- Dual steering
- Can sit idle for hours in power-up mode before usage
- Weighs under 15 pounds (excluding travel case and accessories)
- Transport 5+ additional pounds
- Flood lights on camera pan assembly with controller on/off switch.
- Selectable IR and Overt lights
- Two front cameras. FLIR Boson 640 and Night camera on the same pan mount
- Rear Camera: Fixed, rear facing night camera
- Camera Toggle: Ability to toggle between all cameras via the controller.
- OSD: Voltage monitoring.
- Right-sides itself if unintentionally flipped
- Two-way Audio
- Made in USA



Lumenier Analog Handheld Controller

- Operate unmanned drones, trucks and fixed winged aircraft
- Programmable auto-pilot for multiple flight modes
- Built in LTE Modem, GPS, IMU
- Toggle between thermal, day and night cameras
- HD DVR for camera payload
- Dimmable Touch Display
- Operate on single charge for 4+ hours
- Ruggedized for extreme temperatures: -30°C to 160°C
- Made in USA



Lumenier Tactical Truck

10th Scale UGV

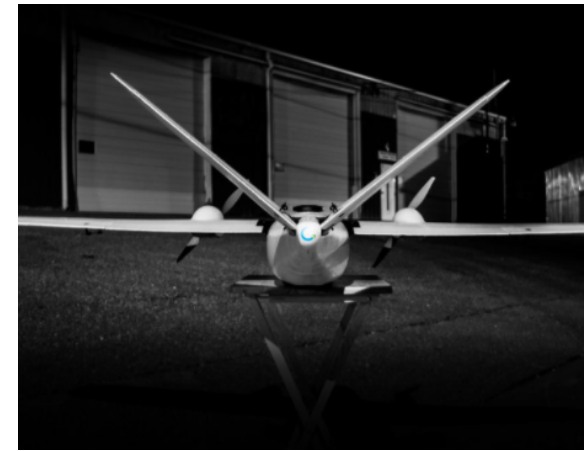
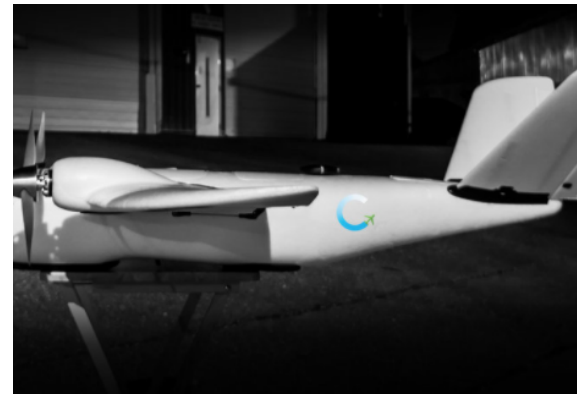
- Dual steering
- Can sit idle for hours in power-up mode before usage.
- Weighs under 12 pounds (excluding travel case and accessories).
- Flood lights on camera pan assembly with controller on/off switch.
- Selectable IR and Overt lights.
- Front Cameras: Two front cameras. FLIR Boson 640 and Day/Night camera
- Rear night camera
- Camera Toggle: Ability to toggle between cameras via the controller.
- OSD: Voltage monitoring
- Two-Way Audio
- Made in USA



Lumenier Tactical Fixed Wing

Airframe Features:

- Weight (empty) - 5.3 lb
- Weight (maximum) - 14 lb
- Wingspan - 67 in
- Wind Tolerance - 20mph (+10mph gust)
- Launch - Hand Launch
- Flight Time - 2.5+ hours ([4.6 with LR Kit](#))
- Flight Distance - 120 miles ([184 LR kit](#))
- Cruise Speed - 40 mph
- Approach - Reverse-thrust steep descent
- Recovery - Belly Landing on dedicated, wear-resistant foam pads
- Autopilot - Cube (Pixhawk 2.1)
- Storage: - Molded foam <5cu ft.



Lumenier Tactical Radiation/Toxic Chem Sensor

Lumenier is partnering with Honeywell to attach MultiRAE Pro on Lumenier Drones and Trucks:

- MultiRAE Pro and Digital Secure Radio allows information to be sent to Cyber Secure Smart Handheld Controller.
- Using the robust protocol (CAN Bus) for sensor communication allows for integrated CBRNE, Hazmat Response, Indoor Air Quality, Urban Search & Rescue, Venue Protection sensor with capabilities to be sent to Litehawk Cyber Secure Smart Handheld Controller.
- The MultiRAE Pro is the industry's only portable wireless multi-threat monitor. The MultiRAE Pro's ability to simultaneously detect gamma radiation and toxic industrial chemicals (TICs/TIMs) enables responders to reduce the equipment footprint and achieve greater agility when operating downrange.
- The MultiRAE Pro offers flexibility to swap out 25 different sensors for a range of threats, including VOCs, toxic gases, combustibles, oxygen levels, as well as gamma radiation detection.
- Features and Benefits include Parts per billion VOC measurement, Simultaneous monitoring of chemical threats and gamma radiation, and more than 25 different chemical sensors.
- Mil-STD-810G certified.





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