



INDAGO™ VTOL SYSTEMS

The UAV Solution for Commercial and Military Markets

Small Unmanned Aerial System Technology

Lockheed Martin Procerus Technologies (LMPT) has built an exceptional reputation on the value, reliability and ever-expanding feature set of the Kestrel autopilot system. The Kestrel autopilot has been proven in hundreds of applications worldwide, resulting in thousands of flight hours onboard dozens of varieties of small unmanned aerial systems (SUAS).

Leveraging the depth and breadth of this experience, Procerus is pleased to release a multi-rotor system with vertical take-off and landing (VTOL) capabilities designed from the ground up around the needs of the first-responder. The Indago represents the collaboration of years of expertise in unmanned systems technology from guidance and control algorithms, to payload-directed navigation, and the operator's user interface.



System Details

- Kestrel 3.1 autopilot system
- LMPT Handcontroller (Figure 3)
 - Large, outdoor-readable screen
 - Integrated C2 transceiver and video receiver
 - Synchronized data recordable to SD card
 - WiFi link to optional laptop-based GCS
- Laptop-based Virtual Cockpit GCS (optional)
 - Enables complex mission planning
 - Simultaneous, multi-platform support (Fixed wing and VTOL)

Portable/Fast Setup

- The Indago touts a foldable airframe that is packable in a small briefcase
- Setup in 1 - 2 minutes, Airborne in 2 - 3 minutes
- Rugged, modular airframe designed for field serviceability

"Best-in-Class" Flight Time

- Procerus is on the forefront of battery and propulsion system technology
- 45 Minute flight time with payload
- Definable failsafe behaviors on lowbattery, loss of communication w/ GCS, loss of GPS, etc.

Specifications

- Range: 2km-10km line-of-sight (antenna dependent)
- Endurance: 45 Minutes
- Speed: 30 mph
- Weight: 4.8 lbs
- Payloads: LMPT Perceptor Dual EO/IR, LMPT 10MP ePTZ, COTS EO cameras (e.g. Sony FCB, GoPro3, Pentax Optio), FLIR Tau IR



Whisper Quiet

- 62dB at 3m, 52dB at 10m
- At 10m distance, the acoustic signature of the Indago is comparable to the hum of a refrigerator



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