

Indago 3



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Indago 3

The Lockheed Martin Procerus Technologies Indago 3 Vertical Take-off and Landing (VTOL) Unmanned Air System (UAS) is purpose built for tactical operations, providing on-demand 360-degree reconnaissance and surveillance capabilities in support of mission needs. Indago 3 signature capabilities include extremely quiet flight operations, small footprint, lightweight tactical mobility, rapid deployment, long endurance, and high-quality optics.



Features:

- VCSi Touch or ATAK GCS Software
- All-terrain extended landing gear
- Improved heatsinks for motor heat dissipation
- New air vehicle main electronics board with optional tether capability
- Payload quick disconnect for “hot swap” of all payloads available to Indago

Specifications:

- Endurance: 35-45 minutes (depending on payload)
- Radio Range: up to 15 km (9.3 miles)
- Weight: 2,200g (4.85 lbs)
- Dimensions: 32 x 32 x 7 in (12 x 9 x 7 folded)
- System Packaging: Kevlar “soft shells” for air vehicle and hand controller
- TSA Compliant batteries available
- System Charger: Water-tight dual charger (120-240 AC, 10-28 DC)

Radio Compatibility:

- Silvus Streamcaster
- Persistent Systems Wave Relay
- TrellisWare TSM & TSMX waveforms
- Developer kits available for additional radio types
- Integration of other radios upon customer request

Ground Control Station:

- Optional OEM Hand Controller or ATAK Controller integration

OEM Hand Controller:

- Ruggedized and weather resistant (IP 54)
- Lightweight (3.1 lbs)
- 4-hour battery
- Windows 10 OS
- Secured digital data link
- Ergonomic design with tactile buttons

Indago Applications:

- Intelligence, Surveillance, and Reconnaissance (tethered or non-tethered)
- Airborne communications relay and network extension
- Border Security
- Situational Awareness
- Force Protection
- Disaster Response and Crisis Monitoring
- Critical Infrastructure Protection
- Damage Assessment

Payloads:

ION 30X

Features:

- Vision processing provides feature tracking of objects
- Real time geo-location and geo-pointing
- Continuous Optical Zoom
- MISB compliant video stream with KLV metadata
- Curser on target (COT streaming to ATAK servers)
- Human: detection range is 17 km (11 miles) with recognition at 4 km (3 miles)
- Vehicle: detection range is 78 km (49 miles), with recognition at 16 km (10 miles)

Specifications:

- Video: 720 P Global Shutter
- Optical Zoom: Level 30X (2° fully zoomed FOV)
- Stabilization: 3-Axis gyro plus software stabilization
- Weight: 471 g (1.04 lbs)



Noctis Dual IR

Features:

- Optical zoom from 32° to 8° FOV; Digital zoom to 2°
- Optional Infrared Class 4 Laser pointing (ITAR-controlled)
- Vision processing provides feature tracking of objects
- Real time geo-location and geo-pointing
- MISB compliant video stream with KLV metadata
- Curser on target (COT streaming to ATAK servers)
- Human: detection range is 2.4 km (1.5 miles), with recognition at 2,200 ft
- Vehicle: detection range is 11 km (6.8 miles), with recognition at 2.5 km (1.5 miles)

Specifications:

- Image Capture: 32° Wide HFOV lens; 8° Narrow HFOV Lens (16X zoom)
- Video: IR: 640 x 512
- Stabilization: 3-Axis gyro and software stabilization
- Weight: 570 grams (1.25 lbs)
- IR Laser: 150 mW low power; 650 mW high power



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