

Indago 4



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OVERVIEW:

The Lockheed Martin Indago 4 Tactical Quadcopter is purpose-built for vital missions, deploying with an expanded capabilities suite built to military and security forces requirements. Indago 4 provides 360 degree reconnaissance and surveillance capabilities with the introduction of on-edge computing to meet the broader missions of the 21st Century Security. Indago 4 maintains proven mission benefits including man-packable design, low acoustic signature, long-endurance flight, and high quality optics.

SPECIFICATIONS:



Endurance:

58+ minutes (No payload)

Tested at 5,000 ft Elevation

46+ minutes (Noctis payload)

Tested at 5,000 ft Elevation



Max payload weight:

2.275kg (5lbs)



Propeller Diameter:

20.6"



System Weight:

- Indago 4 *(Empty)*: 2.0kg (4.4lbs)

- Payloads *(without cases)*:

- Heimdal: 0.35kg (0.77lbs)

- Noctis Dual IR: 0.57kg (1.25lbs)

- ION 33X: 0.50kg (1.1lbs)

- *Hand Controller: 0.54kg (1.20lbs)

- Full WaveRelay S-Band system: 1.5kg (3.3lbs)

- Charger *(Includes Charger and AC Power adapter)*: 2.6kg (5.7lbs)

- Batteries (2): 1.4kg (3lbs)

Total Weight: 9.46kg (20.85lbs)

**Tomahawk Robotics: Grip S20*



Dimensions:

42 x 42 x 12

(12.5 x 9.5 x 5 folded)



Weight:

3.4kg (7.4lbs)

FEATURES:

- 3 Payload interfaces *(Secondary and Tertiary Payloads Coming Soon)*
- Gigabit Ethernet for Payloads/Tether
- 2 hot-swappable batteries (TSA Compliant for airline transport)
- Sensors for GPS denied navigation and vision-based landing, using (Northstar™ Software)
- Rugged, all-climate design
- Swappable integrated tactical radios
- ATAK compatible
- On-edge computing



Heimdal:

- Resolution: Daylight | 1,920 x 1,080 Pixel (1/3-Type CMOS)
Thermal image | 640 x 510 Pixel (12 µm)
- Gimbal swivel range: 260° horizontally
- Tracking modes: Human, vehicle and scene
- Stabilization: 3-axis stabilized gimbal and automatic digital image stabilization
- IR laser module: Laser class 3B (classified according to DIN EN 60285-1:2015-07)
Power 20 mW | wavelength 850nm
Nominal Ocular Hazard Distance (NOHD) 45m

ION 33X:

- Video: 720 P Global Shutter
- Optical Zoom: Level 33X (2° fully zoomed FOV)
- Stabilization: 3-Axis gyro and software stabilization

NOCTIS DUAL IR:

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

Using Lockheed Martin VCSi Touch software enables support of Windows GCS.