Evolution Flight

The Patriot

The Intelligent Heavy-Lift Solution for Precision Missions.

UNCOMPROMISED ENDURANCE

- **60+ Minute Flight Times**: Fly longer and cover more ground. The Patriot is optimized for endurance, achieving 60+ minutes of flight even with a substantial 4 kg (8.8 lbs) payload.
- **Advanced FPV Imaging:** Gain total situational awareness with a three-way live imagery system. Our on-board FPV camera provides crystal-clear feeds at three critical angles:
  - Forward: For safe navigation and obstacle awareness.
  - 45 Degrees Down: Perfect for approach and localized inspection.
  - Nadir (Straight Down): For precision positioning and vertical oversight.
- **Compact & Modular:** Designed for the field. The Patriot features a modular design with quick-swap arms and legs, allowing it to pack down into a compact footprint for easy transport in any vehicle.
- **The Dual GPS Advantage:** Forget compass calibration issues. The Patriot utilizes a Dual GPS System for heading determination. By calculating orientation via satellite geometry rather than magnetism, we completely eliminate compass interference caused by heavy electrical equipment, metal structures, or magnetic environmental anomalies.

Feature	Metric	Imperial
Dry Weight	7.3 kg	16 lbs
Max Takeoff Weight (MTOW)	21 kg	46.3 lbs
Max Payload Capacity	8 kg	17.6 lbs
Flight Time (4kg Payload)	60+ Mins	60+ Mins - 8.8 lbs
Max Wind Tolerance	40km/h	25 mph
Battery System	Up to 40Ah, 12S LiPo	
Communication	Secure Encrypted Link	

The Patriot is built for the most demanding LiDAR, surveying, and industrial inspection tasks. Its ruggedized airframe and data security make it the preferred choice for enterprise operations.

Evolution Flight is proud to partner with LiDARUSA and can provide expert sales, integration, and technical support for there LiDAR systems.

www.evolutionflight.com

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