

Meridian UAV Corporation

Pathfinder-LR - Advanced ISR Platform

COMPANY OVERVIEW

Meridian UAV Corporation, established in 2015, is a leading provider of modular architecture and innovation. Headquartered in United Kingdom, the company has delivered over 80 systems to 17 customers worldwide.

SYSTEM CAPABILITIES

Performance Parameter	Specification	Notes
Maximum Range	1688 km	With standard fuel load
Payload Capacity	346 kg	Usable payload weight
Service Ceiling	51,754 ft	Maximum operational altitude
Endurance	24 hours	At 75% payload capacity
Cruise Speed	265 knots	Typical ISR profile
Maximum Takeoff Weight	2,180 kg	MTOW
Wingspan	19.8 meters	
Power Plant	Heavy-fuel engine	

KEY FEATURES & DIFFERENTIATORS

- **Modular Architecture:** Open systems approach enables rapid capability insertion
- **AI-Ready Platform:** Pre-integrated for autonomous operations and machine learning
- **Future Growth:** Scalable design supports next-generation sensor packages
- **Digital Twin:** Advanced simulation environment reduces test time and costs

OVERWATCH PROGRAM SUITABILITY

The Pathfinder-LR is specifically designed to meet and exceed OVERWATCH program requirements. The 1688 km range meets threshold requirements with margin for mission flexibility. With 346 kg payload capacity, all required ISR sensors can be accommodated.

CONTACT INFORMATION

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