

Arcturus Dynamics International

Aurora-P - Advanced ISR Platform

COMPANY OVERVIEW

Arcturus Dynamics International, established in 2001, is a leading provider of arctic and cold-weather operations. Headquartered in Canada, the company has delivered over 284 systems to 19 customers worldwide.

SYSTEM CAPABILITIES

Performance Parameter	Specification	Notes
Maximum Range	1497 km	With standard fuel load
Payload Capacity	289 kg	Usable payload weight
Service Ceiling	46,931 ft	Maximum operational altitude
Endurance	38 hours	At 75% payload capacity
Cruise Speed	232 knots	Typical ISR profile
Maximum Takeoff Weight	2,347 kg	MTOW
Wingspan	21.7 meters	
Power Plant	Rotax 914	

KEY FEATURES & DIFFERENTIATORS

- Arctic Capability:** Only system certified for operations down to -40°F
- Cold Weather Sensors:** De-icing systems and winterized avionics package
- Extreme Environment:** Proven performance in Arctic, high-altitude, and maritime conditions
- Specialized Expertise:** 20+ years focus on cold-region UAV operations

OVERWATCH PROGRAM SUITABILITY

The Aurora-P is specifically designed to meet and exceed Overwatch program requirements. While range of 1497 km is below threshold, enhanced endurance provides equivalent coverage capability. Optimized sensor integration allows mission accomplishment within 289 kg payload capacity.

CONTACT INFORMATION

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