



CENTAUR

Optionally-Piloted Aircraft System

A VERSATILE PLATFORM FOR ISR OPERATIONS AND RAPID R&D

Centaur OPA is a flexible, multi-role system for piloted, hybrid or remotely piloted flight operations.

CAPABILITIES

Multi-Domain Intelligence, Surveillance, and Reconnaissance

- High resolution, wide swath SAR mapping
- Stabilized high definition multi-spectral imaging
- HD infrared and color camera with continuous zoom
- Platform-based on a certified twin-engine general aviation aircraft
- Advanced automation feature for unmanned or pilot-augmented operations
- Automated contingency management system
- Commercially exportable Missile Technology Control Regime category II system

Autonomy and Sensor Development

- Aurora's special Airworthiness Certificate provides easy access to the National Airspace System (NAS) for rapid development
- Stable, highly accurate and repeatable autopilot features
- Flexible payload architecture allows integration for a variety of sensors
- Very high fuel efficiency; loiters on less than 8 gal/hr

PAYLOAD AND PERFORMANCE

Mission Endurance	16 hrs (up to 20 hrs with minimal payload)
Range	Up to 2,000 nm
Baseline Payload	Multi-mode radar with up to 175 nm large target detection range Stabilized HD EO/IR gimbal with laser rangefinder Dual AIS receiver
Communication	Dual LOS IP datalinks UHF/VHF radios IFF ADS-B transponder
Sensor Options (Up to 650 lbs available)	Other ISR sensors Communications package Gravimeter Environmental monitoring package
Payload Power	Up to 5.6 kW
Speed	Loiter 85 kts; cruise 135-160 kts
Altitude	Up to 25,000 ft
Optional	SATCOM and anti-ice