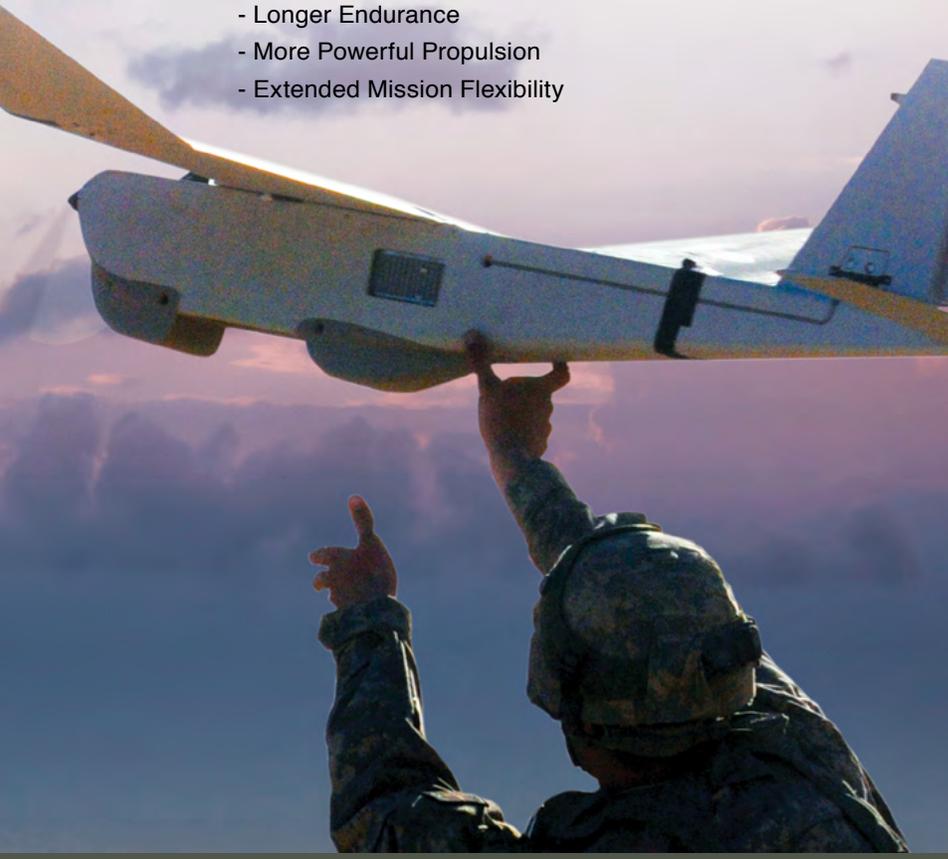


INTRODUCING NEW CAPABILITIES

- Longer Endurance
- More Powerful Propulsion
- Extended Mission Flexibility



Overview

Puma AE (All Environment) is a fully waterproof, small, unmanned aircraft system (UAS) designed for land and maritime operations. Capable of landing in water or on land, the Puma AE empowers the operator with an operational flexibility never before available in the small UAS class.

The Puma AE delivers 3.5+ hours of flight endurance with versatile smart batteries options to support diverse mission requirements. Its powerful propulsion system and aerodynamic design make it efficient and easy to launch especially in high altitudes and hotter climates. Puma AE carries a gimbaled payload with an electro-optical (EO) and infrared (IR) cameras. For increased payload capacity, an optional under wing Transit Bay is available, plus a plug and play secondary power adapter is incorporated for increased mission flexibility.

The enhanced precision navigation system with secondary GPS provides greater positional accuracy and reliability of the Puma AE. AV's common ground control system allows the operator to control the aircraft manually or program it for GPS-based autonomous navigation.

Key Features

- All Environment - Fully Waterproof
- 3.5+ Hour Flight Endurance
- Smart Battery options to support diverse missions
- Gimbaled EO & IR Payload
- Increased Payload Capacity with optional under wing Transit Bay
- Powerful and Efficient Propulsion System
- Precision Navigation System with Secondary GPS
- Plug and Play Secondary Power Adapter
- Reinforced Fuselage for Improved Durability

Specifications

Payloads	Gimbaled payload, 360 degree continuous pan, +10 to -90 degrees tilt, stabilized EO, IR camera, and IR Illuminator all in one modular payload.
Range	15 km
Endurance	3.5+ hours
Speed	37-83 km/h, 20 to 45 knots
Operating Altitude (Typ.)	500 ft (152 m) AGL
Wing Span	9.2 ft (2.8 m)
Length	4.6 ft (1.4 m)
Weight	13.5 lbs (6.1 kg)
GCS	Common GCS with Raven, Wasp and Shrike
Launch Method	Hand-launched, rail launch (optional)
Recovery Method	Autonomous or manual deep-stall landing