



# Puma AE

## Overview

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

Puma AE carries both an electro-optical (EO) and infrared (IR) camera on a lightweight mechanically and digitally stabilized gimbaled payload, allowing the operator to keep “eyes on target.” The air vehicle’s modular design allows for alternative payload development to meet the needs of specific Military or Civilian applications.

The UAS is operated by AeroVironment’s (AV) battle proven Ground Control System (GCS). AV’s common GCS provides Puma AE users compatibility with the Raven and Wasp platforms.

## Features

- Hand-launched
- Fully waterproof
- Gimbaled EO & IR Payload
- Quiet to avoid detection
- Modular design
- No auxiliary equipment for launch or recovery operations
- Operates autonomously providing persistent ISRT (Intelligence, Surveillance, Reconnaissance and Targeting data)

## Specifications

<b>Payloads</b>	Gimbaled payload, 360 degree continuous pan, +10 to -90 degrees tilt, stabilized EO, IR camera, and IR Illuminator all in one modular payload.
<b>Range</b>	15 km
<b>Endurance</b>	2 hours
<b>Speed</b>	37-83 km/h, 20 to 45 knots
<b>Operating Altitude (Typ.)</b>	500 ft (152 m) AGL
<b>Wing Span</b>	9.2 ft (2.8 m)
<b>Length</b>	4.6 ft (1.4 m)
<b>Weight</b>	13 lbs (5.9 kg)
<b>GCS</b>	Common GCS with Raven and Wasp
<b>Launch Method</b>	Hand-launched
<b>Recovery Method</b>	Autonomous or manual deep-stall landing
<b>Product Status</b>	In Production

