

Puma™ AE RQ-20B



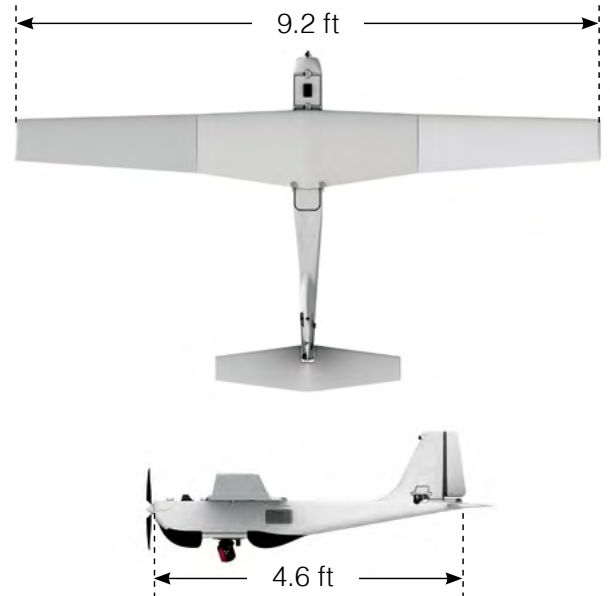
Puma AE (All Environment) is a fully waterproof, small, unmanned aircraft system (UAS) designed for land and maritime operations. Capable of landing in water or on land, the Puma AE empowers the operator with an operational flexibility never before available in the small UAS class. The enhanced precision navigation system with secondary GPS provides greater positional accuracy and reliability of the Puma AE. AeroVironment's common ground control system allows the operator to control the aircraft manually or program it for GPS-based autonomous navigation.



Puma is launched from a ship



Downlink imagery from EO camera



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	20 km
ENDURANCE	3+ hours with an LE battery
SPEED	47-83 km/h, 25 to 45 knots
OPERATING ALTITUDE (TYP.)	500 ft (152 m) AGL
WINGSPAN	9.2 ft (2.8 m)
LENGTH	4.6 ft (1.4 m)
WEIGHT	14 lbs (6.3 kg)
GCS	Common GCS with Raven® and Wasp® AE
LAUNCH METHOD	Hand-launched, rail launch (optional)
RECOVERY METHOD	Autonomous or manual deep-stall landing

KEY FEATURES

- 3+ Hour flight endurance with an LE battery
- 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