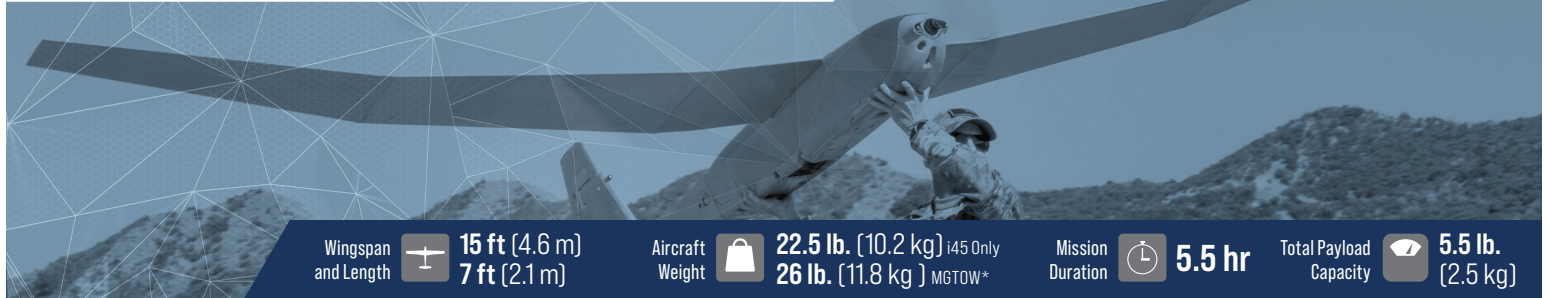



PUMA™ LE

PUMA ALL ENVIRONMENT FAMILY



Wingspan and Length  **15 ft (4.6 m)**
7 ft (2.1 m)

Aircraft Weight  **22.5 lb. (10.2 kg)** i45 Only
26 lb. (11.8 kg) MGTOW*

Mission Duration  **5.5 hr**

Total Payload Capacity  **5.5 lb. (2.5 kg)**

Puma LE joins the Puma All Environment Family to deliver Group 2 capabilities in a Group 1 optimized, two-case mission packout. This ultra-lightweight Group 2 aircraft nearly doubles the time on station of Puma 3, featuring 5.5 hours of flight endurance and a 60+ km range when used with the Long Range Tracking Antenna (LRTA). Puma LE comes equipped with AeroVironment's Mantis™ i45 gimbaled payload featuring dual Electro-Optical (EO) cameras, an Infrared (IR) camera, a low-light camera, and an NVG-visible laser illuminator. The aircraft is multi-mission capable, with a total payload capacity of 5.5 lb. and a secondary payload bay with dedicated power supply and Ethernet. The system was built for the integration of multi-mission payloads such as Electronic Warfare, RF Geolocation or Communications Relay. Puma LE utilizes a precise, waypoint-controlled skid landing and does not require additional equipment for recovery.

PUMA LE USES PLUG AND PLAY INTEROPERABLE COMPONENTS

By leveraging the existing Puma RQ-20B and Puma 3 Line Replaceable Units (LRUs), Puma LE allows any current Puma AE Family user to easily upgrade fielded systems. This interoperability builds on a legacy of Puma baselines with hundreds of thousands of operational flight hours. The Puma AE Family provides the warfighter with Intelligence, Surveillance and Reconnaissance (ISR) during day and night operations in All Environment (AE) conditions.



BATTLE-PROVEN MANTIS i45 GIMBALED PAYLOAD

Puma LE comes standard with the Mantis i45 Gimbaled Payload featuring Dual 15mp EO cameras, 50x zoom, IR camera and Low Light camera for night operations, and a High Power Laser Illuminator.

DEDICATED INTERNAL SECONDARY PAYLOAD BAY

Every Puma LE features an internal secondary payload bay with a dedicated power supply and an Ethernet communication port. This provides 3.4 lb. of secondary payload capacity in addition to the Mantis i45 payload for expanded mission capability.

12.25" x 4.75" x 5" [approximate dimensions]
(31.1 cm x 12.1 cm x 12.7 cm)
18-24V at up to 5A (90W) for full flight duration

OPTIMIZED PACKOUT FOR MISSION FLEXIBILITY

2 CASES / 2 MISSIONS

Support two full endurance flights with a simple two-case packout.

Puma LE uses the same cases as Puma 3 with custom foam inserts.

57.4" x 18.5" x 11.2"
(145.8 cm x 47 cm x 28 cm)



SPECIFICATIONS

RANGE	20 km, up to 60 km with LRTA
ENDURANCE	5.5 hours with Mantis i45
SPEED	46-76 km/h, 25 knots cruise, 41 knots dash
OPERATING ALTITUDE (TYP.)	300-500 ft (91-152 m) AGL, launch altitude up to 10K ft
TOTAL PAYLOAD CAPACITY	5.5 lb. (2.5 kg)
LAUNCH AND RECOVERY METHOD	Hand-launched, optional bungee launch Autonomous or manual skid landing

KEY FEATURES

- All Environment capability
- Common GCS with Puma™ 3, Raven®, Wasp® AE
- Dedicated secondary payload bay with power supply and Ethernet
- Puma AE Family component interoperability
- Enhanced Digital Data Link, more frequencies, AES-256 bit encryption support
- Inaudible at 500 feet

* MGTOW - Maximum Gross Takeoff Weight