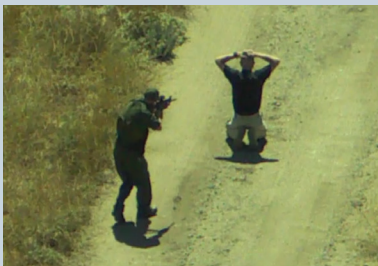


PUMA™ 3 AE ALL ENVIRONMENT



Building on a legacy of continuous improvement, the Puma 3 AE offers system level enhancements for use in land and maritime operations. The Puma 3 AE empowers the operator with an operational flexibility never before available in the small UAS class including upgrades for secondary payloads and third party applications. Equipped with the all new Mantis™ i45 Gimbal, the aircraft system provides high resolution imagery for day, night, and low light operations in extreme environments. Operators can also manually or autonomously navigate the Puma 3 AE while gaining real-time situational awareness and actionable intelligence through AeroVironment's common ground control system.



Downlink imagery from EO camera



Downlink imagery from low light camera



SPECIFICATIONS

PAYLOADS	Mantis i45 Gimbale Payload with Dual 15mp EO cameras, 50x zoom, IR camera and Low Light camera for night operations, and High Power Illuminator
RANGE	20 km standard antenna, 60 km with LRTA
ENDURANCE	2.5 hour flight endurance with an LE battery
SPEED	47-83 km/h, 25-45 knots
OPERATING ALTITUDE (TYP.)	300-500 ft (91-152 m) AGL
WINGSPAN	9.2 ft (2.8 m)
LENGTH	4.6 ft (1.4 m)
WEIGHT	15 lbs (6.8 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

- *Gimbaled EO, IR, Low Light, and Illuminator payload*
- *Increased payload capacity with optional under wing transit bay and reinforced airframe*
- *Powerful and efficient propulsion system*
- *Precision navigation system*
- *Enhanced Digital Data Link covering more frequencies & supporting AES-256 bit encryption*
- *Reinforced fuselage & center wing accommodates heavier configurations*
- *Upgraded GCS laptop (CF-33) with larger screen, removable keyboard & Windows 10 support*
- *Reduced system packaging fits a flyable configuration in a single case*