PUMA COMMUNICATIONS RELAY

EXTEND TACTICAL COMMS NETWORK CONNECTIVITY IN MULTI-DOMAIN OPERATIONS

The rapidly deployable Puma Communications Relay Kit combines the class-leading ISR capabilities of Puma 3 AE and Puma LE with high data rate throughput, extended range, and scalable mesh network of Commercial-Off-The-Shelf Mobile Ad-Hoc (COTS MANET) radios, such as the Silvus StreamCaster 4200, Persistent Systems MPU5, and DTC SDR-H2 radios. Extend the operational range of your communications networks for distributed manned and unmanned operations.

COMMUNICATIONS RELAY TO SUPPORT MULTIPLE PLATFORMS THROUGH PUMA

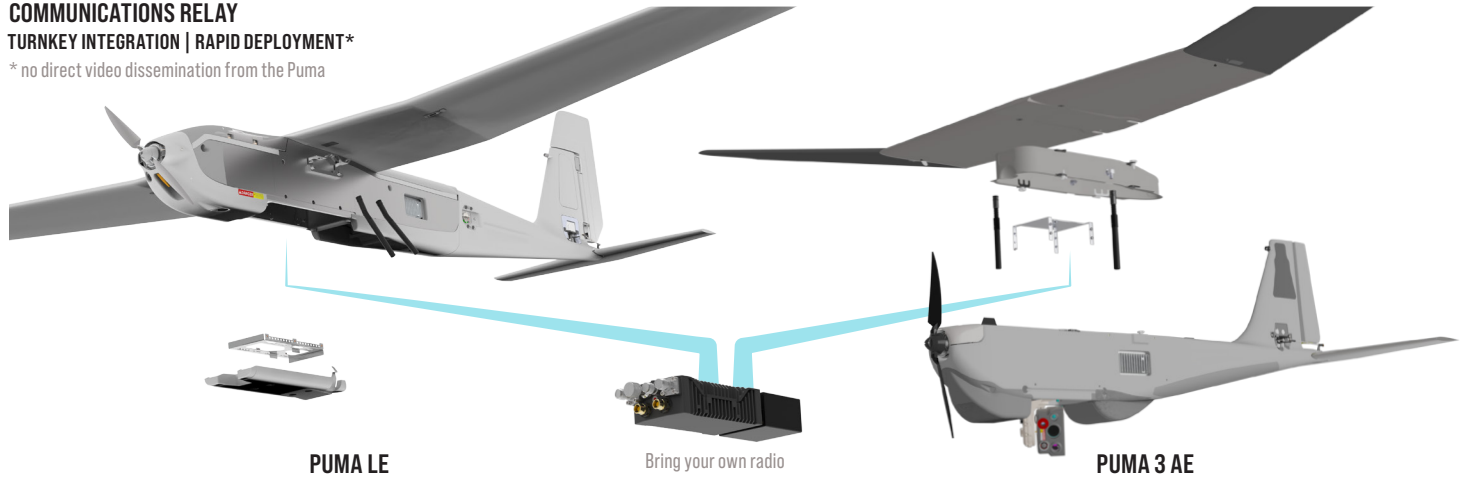*Ground Forces*   *EUD*   *On-the-Move*   *Artillery*   *UAV*   *UGV*   *USV*

COMMUNICATIONS RELAY
TURNKEY INTEGRATION | RAPID DEPLOYMENT*
* no direct video dissemination from the Puma

PUMA LE

Bring your own radio

PUMA 3 AE

SPECIFICATIONS

DIMENSIONS	Wingspan: 15 ft (4.6 m); Length: 7.3 ft (2.2 m) Weight: 23.3 lb (10.6 kg)
LINK RANGE	20 km, 60 km with LRTA
ENDURANCE	6.5 hr with Mantis i45 and PS2500 Battery 5+ hr with Puma Comms Relay Payload, depending on radio and overall configuration
MAX FLIGHT ALTITUDE	10,500 ft (3,200 m) Max. launch 10K ft (3,048 m) MSL
NOMINAL WEIGHT OF COMMS RELAY KIT	Approx. 2.6-3.3 lb, depending on radio and overall configuration
SOFTWARE REQUIREMENTS	Standard Software

DIMENSIONS	Wingspan: 9.2 ft (2.8 m); Length: 4.6 ft (1.4 m) Weight: 15.4 lb (7 kg)
LINK RANGE	20 km, 60 km with LRTA
ENDURANCE	3 hr with Mantis i45 and PS2500 Battery 2+ hr with Puma Comms Relay Payload, depending on radio and overall configuration
MAX FLIGHT ALTITUDE	10,500 ft (3,200 m) Max. launch 10K ft (3,048 m) MSL
NOMINAL WEIGHT OF COMMS RELAY KIT	Approx. 2.6-3.3 lb, depending on radio and overall configuration
SOFTWARE REQUIREMENTS	Requires Heavy Lift Software

SUPPORTS VARIOUS MANET RADIO OPTIONS

Silvus SC 4200

Persistent Systems MPU5

Domo Tactical SDR H2

3rd party radios

COMMUNICATIONS RELAY ON SHORE AND OFF-SHORE

AeroVironment™