

AIR

AEROSONDE[®]

MK. 4.7 VTOL UAS

EXPANDED SIZE, WEIGHT AND POWER (SWAP) PROFILE

The Aerosonde Small Uncrewed Aircraft System is logging thousands of operational hours per month in some of the world's most challenging environments. With its expanded size, weight and power (SWAP) profile, the system can execute day-and-night imaging, communications relay, signals intelligence and an additional customer-selected payload in a single sortie.



TEXTRON Systems

RUNWAY-INDEPENDENT

PROVEN PERFORMANCE

Today, Textron Systems has enhanced the system's flexibility even further with the Aerosonde Mk. 4.7 VTOL UAS, a runway-independent configuration that uses Hybrid Quadrotor technology to achieve vertical takeoff and landing (VTOL). Combined with the Aerosonde system's proven performance and benchmark-setting reliability, the Aerosonde Mk. 4.7 VTOL brings unparalleled levels of mission capability and flexibility. The Aerosonde UAS has accumulated over 750,000 hours in operational flight. That experience continues with the Aerosonde Mk. 4.7 VTOL UAS, which combines proven multi-mission performance and reliability with the flexibility of VTOL capability.

SOLUTION OFFERINGS

Textron Systems sustains its UAS through AS9100-certified manufacturing & support processes, proven field operations, on-site training backed by relationships to accredited academic institutions, and flexible business models to meet a variety of customer requirements and budgets, including:

- > Turnkey Fee-for-Service (FFS) capabilities, rapidly deployable with global reach
- > System sale and lease options, including foreign military sales
- > Hybrid options with customer training concurrent with FFS operations
- > ITAR and Non-ITAR Options

FEATURES & BENEFITS



VTOL - reduced operational footprint and transportation loadout



From transport to flight in less than 20 minutes (min. crew: 3)



Proven heavy-fuel engine including JP-5, JP-8, F44, Jet-A, and Jet-A1



Open Source Architecture for customer-defined payload options, such as:

- > FMV + SAR + AIS + ADS-B
- > FMV + Wide-Area Search + GPS Anti-Jamming
- > Mapping & Surveys + GNSS + MANET
- > Over 40 payloads available



Multi-INT capable in a single sortie



More than 12 different FMV sensors available



Aircraft and all transport cases two person lift



The Aerosonde Mk. 4.7 VTOL adds to the proven system's SWAP advantage with improved expeditionary capability.



Textron Systems' skilled operators and maintainers provide turnkey FFS operations around the world.

SPECIFICATIONS



TAKEOFF WEIGHT
122 lbs (54.4 kg)



MAX ENDURANCE
13 hrs (EO/IR)



CEILING
10,000 ft (3,048)



PAYLOAD CAPACITY
Up to 32 lbs (14.5 kg)



DATALINK BANDS
L, S, C, UHF, LEO
Starlink/Starshield



LOS RANGE
75 nm (140 km)



AIRSPEED
47-70 kt



TRANSITION ALTITUDE
Up to 150 ft (46 m)



WINGSPAN
14.45 ft (4.4 m)



AUTOMATED LAUNCH & RECOVERY
Vertical takeoff and landing (VTOL) capability



Aerosonde UAS have flown more than 750,000 flight hours in some of the most demanding environments on the planet.

CONTACT US

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SCAN FOR
PRODUCT DETAILS

