



CREX-B MICRO ELECTRICAL FIXED WING UNMANNED AERIAL SYSTEM (UAS)

SELEX Galileo provides advanced Unmanned Aerial Systems (UAS) that enhance situational awareness for its customers worldwide. The Company delivers comprehensive solutions and is the only European player who can offer a complete and independent understanding and development capability for UAS: from the platform, to the mission system and sensors, to the ground control station.

SELEX Galileo's portfolio of micro UAS includes CREX-B, an advanced micro electrical UAS providing real-time intelligence. CREX-B is capable of autonomous flight and navigation or short track landing feasibilities.

CREX-B is a very affordable micro UAS specifically designed for Special Operational and Tactical Forces for "over the hill" and "around the corner" intelligence missions providing real-time situational awareness information in a stealthy way, allowing the operator to easily track stationary as well as moving targets.

The micro UAS is electrically powered and ready to fly for a new mission in a few minutes by easily replacing the battery pack.

CREX-B is light weight (less than 2 Kg), has endurance of over 60 min, all digital links and stabilized cameras, making it the best solution for short and close range operational missions for modern ground forces and the Future Combat System.

CREX-B is fully integrated, interoperable and compatible with all the other micro and mini UAS in the SELEX Galileo portfolio, using the same Portable Ground Control Station and system architecture.

KEY FEATURES:

- Safe, reliable, and easy operations
- Man-portable system (less than 2 Kg)
- One-man operation
- Hand launched
- Auto landing
- Pan and tilt gimbal
- Electrical propulsion for minimal audio signature
- Digital data link
- Low life cycle cost
- Built-in video enhancement features (stabilization, visual tracking and target locking).

CREX-B Micro Electrical Fixed Wing Unmanned Aerial System (UAS)



Infrared and daylight camera vision



CREX-B is rapidly deployable from the man-portable back-pack

TECHNICAL SPECIFICATIONS

Propulsion Engine	Electrical / Brushless - Lipo
Wing Span	1.7 m
Fuselage length	0.45 m
MaxTake Off Weight (MTOW)	<2.0 Kg
Payload max	0.25 Kg
Endurance max	60 min (rechargeable battery pack)
Data Link Range	10 Km
Max Speed	110 - 144 km/h
Operational Speed	45-70 km/h
Operational alt. (AGL)	50-300 m
Max ceiling (ASL)	3200 m

Payload cameras

Stabilized gimbal with pan and tilt movements
 Day/Night colour video camera with optical zoom (10x)
 IR-Thermal camera with digital zoom (2x)

The Flight Control and Portable Ground Control Station



Flight Control Unit
(double screen version)

Ground Data Terminal



Ready to deploy in a few minutes and has simple hand launch

For more information please email sales.marketing@selexgalileo.com

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