



RQ-21A Blackjack

In partnership with the Department of the Navy, Insitu developed the RQ-21A Blackjack program to fill the requirement for a small tactical unmanned aircraft system capable of operating from land and sea. The system is modular, versatile and multi-mission capable, providing rapid transitions between land and maritime environments. Blackjack's open payload architecture is customized with imagers, communication and signals intelligence capabilities and other tools to give the warfighter a look ahead in all operational environments.

KEY FEATURES

- › Rapidly integrates new payloads for expanded mission sets.
- › Roll-on, roll-off capability supports ship-to-objective maneuvers.
- › Expeditionary and runway independent to support tactical missions on land and at sea.
- › Long endurance.
- › Minimal footprint accommodates small sites and deck operations.

SYSTEM

DIMENSIONS

- › Length: 8.2 ft / 2.5 m
- › Wingspan: 16 ft / 4.9 m

WEIGHTS

- › Empty structure weight: 81 lb / 36 kg
- › Max takeoff weight: 135 lb / 61 kg
- › Max payload weight*: 39 lb / 17 kg

STANDARD PAYLOAD CONFIGURATION

- › Electro-optic imager
- › Mid-wave infrared imager
- › Laser rangefinder
- › IR marker
- › Communications relay and AIS

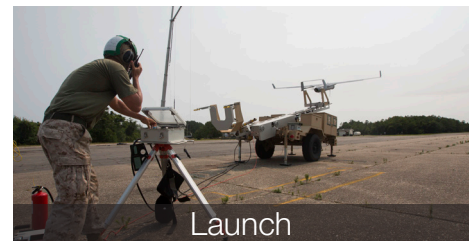
PERFORMANCE

- › Endurance: up to 16 hours
- › Ceiling: >19,500
- › Max horizontal speed: 90+ knots
- › Cruise speed: 60 knots
- › Engine: 8 HP reciprocating engine with EFI; JP-5, JP-8

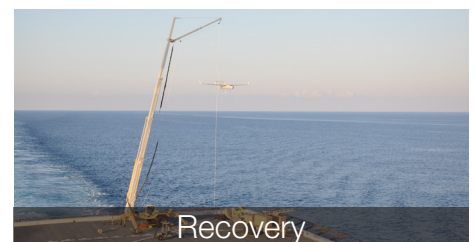
PAYLOAD INTEGRATION

- › Onboard power: 350 W for payload
- › Onboard connectivity: Ethernet (TCP/IP), data encryption

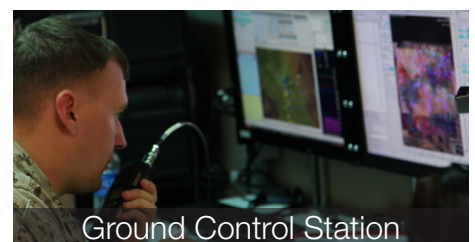
* Reduces Endurance



Launch



Recovery



Ground Control Station



Download the RQ-21A Blackjack app today!



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