

JUMP® 20-X

HEAVY-FUEL
VTOL FIXED-WING



JUMP® 20-X is an advanced, group 3 VTOL UAS designed for unmatched flexibility and precision to meet the demands of evolving missions. Featuring a multi-fuel, multi-payload design, it excels across all domains, environments and mission profiles. Its modular, open-system approach (MOSA) supports payload-agnostic, radio-agnostic, and STANAG-compliant communications ensuring seamless integration and adaptability.

Optimized for space-constrained environments, the JUMP 20-X leverages advanced AI & autonomy making it perfectly suited for maritime operations. With its fully autonomous hands-free operation, it ensures maximum safety and efficiency from takeoff to landing—even on moving vessels in rough seas. Fully marinized and built for resilience in harsh maritime environments, it is able to thrive in conditions where other platforms cannot.

Unmatched Flexibility Across Sea and Land

JUMP® 20-X

_Distinctions



LINK RANGE

115 mi (185 km); and BLOS capability



ENDURANCE

13+ hr



USEABLE PAYLOAD CAPACITY

Up to 30 lb (13.6 kg)



POWER SUPPLY

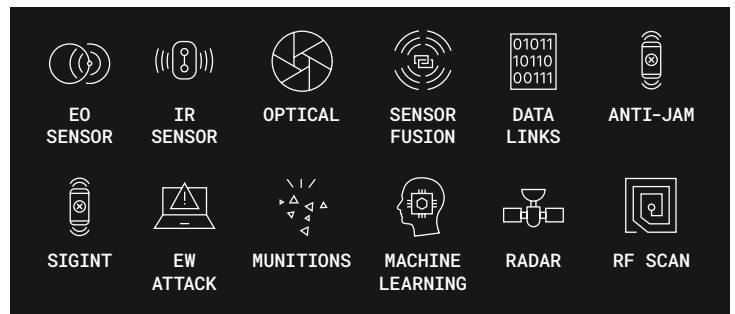
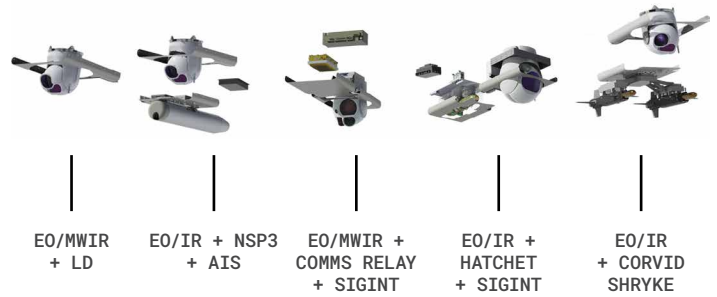
230 cc heavy fuel engine, 2-stroke, JP-5, JP-8, Jet A, MoGas

_Specifications

AIRCRAFT & ELECTRONICS	Fully Marineized Aircraft for Harsh shipboard operations
SPEED	58 mph (50 kts) cruise
OPERATING ALTITUDE	17,000 ft DA
WINGSPAN	18.8 ft (5.7 m)
LENGTH	9.5 ft (2.9 m)
WEIGHT	215 lb MGTOW ¹ Fuel & Payload (97.5 kg)
LAUNCH METHOD	No launch system or runway required Vertical takeoff & landing
RECOVERY METHOD	VTOL Landing
GCS	Vigilant Spirit Command/Control Interface, STANAG-4586 compliant

1. MGTOW - Maximum Gross Takeoff Weight

[MODULAR VERSATILE MULTI-PAYLOADS]



_Key Features

- › Multi-fuel, multi-INT/multi-domain in a single aircraft
- › Engineered for extreme maritime conditions
- › Fully autonomous precision landing
- › 13+ hr of endurance
- › Up to 30 lb of multiple payload capacity
- › Modular architecture supporting 3rd party payloads, radios & control options
- › Beyond-line-of-site (BLOS)—multiple SATCOM options

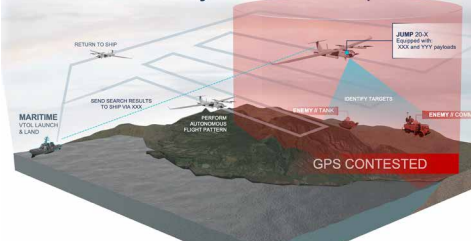
[ADVANCED AI & AUTONOMY]



PRECISION LAUNCH AND LAND

AI-enhanced precision landing on moving ships, even in high sea states, using predictive algorithms to adapt to deck motion

Advanced Autonomy + GPS Denied Operations



CONTESTED ENVIRONMENT CAPABILITIES

Integrates contested environment tech including configurable GNSS, AltNav solutions, and radio options



SPOTR-EDGE

Onboard detection, classification, tracking of key objects with AI overlays identifying and categorizing vessels