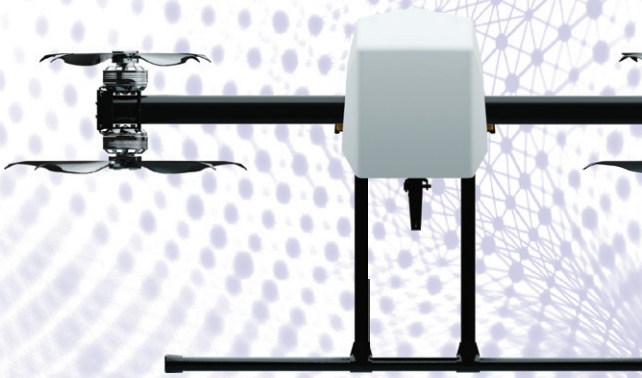
DPI
UAV SYSTEMS

UMAR

FEATURES

RAPID DEPLOYMENT AND RETRIEVAL

UMAR rapidly deploys from a rugged, containerized system, enabling swift activation in challenging maritime environments and autonomous recovery.



EXTENDED MISSION CAPABILITY

Delivers sustained mission endurance with continuous power through its tether, enabling prolonged communications and ISR support. The design minimizes logistical demands, providing long-duration deployment without recharging or battery changes, ensuring mission readiness and reliability in critical operations.

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CYBER SECURE AND RMF-COMPLIANT NETWORK DESIGN

Built with a Cyber Secure and RMF-compliant network design, UMAR protects against cyber threats, ensuring safe and secure communications. This compliance with the Risk Management Framework safeguards critical data and reinforces resilience in contested environments.

HIGH-BANDWIDTH ENCRYPTED ETHERNET CONNECTIVITY

UMAR supports high-bandwidth, encrypted Ethernet connectivity, enabling the secure transmission of large data streams and enhancing real-time communication. This ensures operators have immediate access to mission-critical information without compromising security.

AUTONOMOUS STATION KEEPING AND SENSOR POINTING

Maintains its position and orients sensors accurately without manual adjustments. This autonomy allows for steady surveillance in dynamic maritime environments.

SPECIFICATIONS

ALTITUDE	500 feet
RELATIVE WIND SPEED	35+ Knots
PAYLOAD WEIGHT	15 lbs
SHIPBOARD POWER	208 or 440 VAC 3-Phase
POWER CONSUMPTION	Less than 12 kw
BATTERY BACKUP	5 min flight time
ROTOR CIRCLE	83 in
UAV SIZE (W/O ROTOR)	42” L x 37.5” W x 26” H
FLIGHT WEIGHT	55 lbs (no payloads)
SYSTEM SIZE & WEIGHT	8’ L x 6.5’ W x 8’ H / 7,000lbs

SCAN TO LEARN MORE!

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