



BELL V-247

AUTONOMOUS. INTELLIGENT. LETHAL.

Unmanned and unmatched, the Bell V-247 Vigilant goes above and beyond — offering you autonomous flight capabilities that are flexible, modular, and lethal.

HOW IT GOES ABOVE AND BEYOND:

FEATURES

- Mission commanders can re-task payloads and sensors in real time while the autonomous flight capability implements the new mission.
- Modular radar and sensor payloads keep the Marine Expeditionary Unit safer using advanced warning systems and sensors.
- Unmatched internal and external payload capacity allows you to quickly trade out different mission packages.
- On-station support at mission ranges is sustainable for 24 hours with a two-aircraft system.
- Fewer aircraft and flying hours to provide 24/7 coverage reduces total mission costs.
- Extended loiter time and over the horizon range satisfies Intelligence Surveillance Reconnaissance and Electronic Warfare needs.
- Combat-proven tiltrotor technology enables runway independence and lethal reach with increased speed and range.
- Sea- and land-based assets are protected by a system that performs day or night airborne early warning.
- Significant electrical power enables integration of demanding high-performance systems.
- Self-protection capabilities, modular design, and tiltrotor performance increase survivability.

OVERVIEW

Never let your guard down. The Bell V-247 Vigilant unmanned system is an armed escort in multi-domain operations, providing counter integrated air defense, electronic warfare, early warning, and precision fires. Let it be your eyes and ears. Modular radar and sensor payloads extend operational reach, making it easier to trade out mission packages, sensors, and weapon systems.

Lift off at a moment's notice. Tiltrotor technology gives the system runway independence and a lethal reach that a conventional rotorcraft can't match. Stand up to the fight. Unparalleled flexibility and extended endurance allow the system to perform Group 5 UAS missions — with fewer aircraft per mission and a lower lifecycle cost.

PRECISION TARGETING

Be aware and accurate. The Bell V-247 Vigilant can be armed with air-to-ground missiles and other precision munitions, and its Electro Optical System and Targeting System provide you with superior target identification – so you can protect the Marine Expeditionary Units on the ground and strike with precision.



TECHNICAL SPECIFICATIONS

Speed

Long Range Cruise	240 kts
Cruise at Maximum Continuous Power	300+ kts
Best Endurance	180 kts

Payload

Internal Mission	2,000 lbs
Sling Load	9,000 lbs

Performance

>8 hours Time On Station with 600 lbs of Mission Payload at 450 nm Mission Radius

Up to 1300 nm Mission Radius or 12 hours Time On Station

Service Ceiling	25,000 ft
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Operational Viability

- Superior Range and Speed to Provide Escort Capability for the Bell Boeing V-22 or Bell V-280
- 24-hour Persistent Intelligence Surveillance Reconnaissance with a Two-Aircraft System
- Open Architecture Modular Payload System
- Guided Missile Destroyer Shipboard Compatible
- Retractable Taildragger Landing Gear
- Shipboard Footprint Equivalent to UH-1Y
- Aerial Refuel Capable