

Be!!
V-247
VIGILANT

On a Mission.





Persistent, expeditionary capability, providing lethal reach with runway independence.

OVERVIEW

The Bell V-247 Vigilant unmanned system will combine unparalleled capability with unprecedented flexibility to execute a wide array of missions, including ISR, escort, or persistent fire missions – all with the benefits of extended endurance with modular mission packages.

A viable, near-term solution, the Bell V-247 Vigilant offers the flexibility of tiltrotor. This means runway independence and extended Time on Station to provide up to 24 hours* of on-station performance.

With the capability to meet evolving challenges on the sea or over land, trust in the V-247 Vigilant to perform any Group 5 UAS mission.

TECHNICAL SPECIFICATIONS

SPEED	
Long Range Cruise	240 kts
Cruise at Maximum Continuous Power	300+ kts
Best Endurance	178 kts
PAYLOAD	
Internal Mission	2000 lb
Sling Load	9000 lb
PERFORMANCE	
>11 hours Time On Stations with 600 lb of Mission Payload at 450 nm Mission Radius	
Up to 1400 nm Mission Radius or 17 hrs Time On Station	
Service ceiling	25,000 ft
OPERATIONAL VIABILITY	
<ul style="list-style-type: none"> Superior range and speed to provide escort capability for the V-22 or V-280 24 hour Persistent ISR with a Two Aircraft System Open Architecture Modular Payload System DDG Shipboard Compatible 	<ul style="list-style-type: none"> Retractable tricycle landing gear Footprint equivalent to UH-1Y when folded Aerial Refuel Capable



PERSISTENT FIRES

The modular payload system is designed to accommodate a variety of packages. The V-247 Vigilant can be armed with air-to-ground missiles and other precision munitions. An Elector Optical System and Targeting System provide superior target identification and designation.



EARLY WARNING

The V-247 Vigilant tiltrotor can perform day or night as a picket, providing an extended line for sea or land-based assets and giving advanced warning to commanders, and can likewise be armed due to the platform's air-to-air missile capability. Modular radar and sensor payloads extend the eyes of the MEU, providing advanced warning of incoming threats.



ESCORT

The Bell V-247 Vigilant can accompany any asset into contested territory, providing protection, early warning, or interdiction. Autonomous flight capability provides added flexibility to the escorted crew chief, allowing for the re-tasking of ISR sensors.



ISR

The extended loiter time of the V-247 Vigilant enables revisit rates necessary to satisfy ISR/EW needs. The significant internal payload capacity in excess of 2,000 lbs provides flexibility to operators to quickly trade out different mission packages.

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