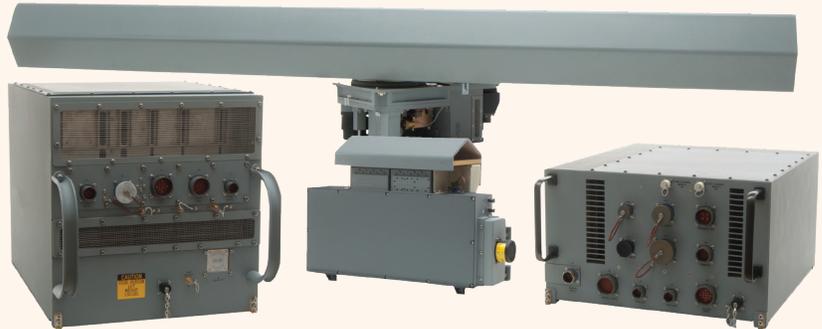


AN/APS-153(V) Multi-Mode Radar

Modes of Operation

- Long and short-range search
- ISAR imaging
- Small target/periscope detection
- Short-range SAR
- Navigation



Fully Integrated Mission System

The AN/APS-153(V) is fully integrated into the MH-60R Common Cockpit™ avionics suite by Lockheed Martin. The radar is controlled through the aircraft's mission computer with returns shown on 8 x 10 in. color multi-function displays, providing the crew with independent views of radar data.

IFF Interrogator

An IFF interrogator is integrated internally into the AN/APS-153(V) Weapons Replacement Assembly (WRA) saving valuable weight and space.

The IFF system provides Mark XII IFF modes 1, 2, 3A and 4 to identify friendly IFF-equipped platforms in the operating areas, giving the MH-60R flight crew positive situational awareness.

Shipboard Operations

The MH-60R, combined with the AN/APS-153(V), is designed to operate from helo-capable small combatants to the largest aircraft carriers as a key element in the helicopter-ship system. Via the aircraft's C-band data link, shipboard personnel have virtually the same radar picture as the flight crew. The radar will withstand the harshest maritime and helo-vibration environments.



U.S. Navy MH-60R Multi-Mission Helicopter

Potential Mode Enhancements

The AN/APS-153(V)'s signal processing provides the upgrade flexibility to meet the challenges of the future. New or enhanced modes of operation offering potential for improved situational awareness and mission effectiveness include:

- Low Probability of Intercept (LPI)
- ISAR automatic classification aids
- Synthetic Aperture Radar
- Mode 5/Mode S IFF
- Weather

Visit www.ttm.com for more information.

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