

HUMRAAM



AMRAAM

Advanced Medium Range
Air-to-Air Missile

HMMWV

High Mobility Multipurpose
Wheeled Vehicle

Benefits

- Competitively selected for the United States Marine Corps Complementary Low Altitude Weapon System
- Uses off-the-shelf components, lowering cost and reusing existing technology

HUMRAAM is an advanced air defense guided missile system launcher combining Raytheon's combat proven AMRAAM missile on the High Mobility Multipurpose Wheeled Vehicle (HMMWV). This low cost, high reliability launcher provides high firepower, fire and forget, non-line of sight engagement of tactical aircraft, cruise missiles and unmanned aerial vehicles that threaten forward maneuver forces or critical assets and vital areas.

Raytheon developed the HUMRAAM concept in cooperation with the U.S. Army Aviation and Missile Command, the U.S. Marine Corps Systems Command and Counter Air Joint Systems Project Office as a near term expeditionary air defense system.

Utilizing off-the-shelf components including Raytheon's AMRAAM, Missile Interface Unit, Remote Terminal Units, and Launch Rails, HUMRAAM has demonstrated capability to meet and defeat the threat.



Fire Distribution Center

The Fire Distribution Center provides full tactical control via an advanced automated battle management system and optimum operator situational awareness. The FDC can control up to twelve remote HUMRAAM launchers.

AMRAAM Missile

Raytheon's AMRAAM missile is the world's most advanced combat proven, air-to-air missile. HUMRAAM fires unmodified AMRAAM missiles in a surface launched mode and provides an extended range and non-line of sight engagement capability.

AN/MPQ-64 Radar

HUMRAAM can utilize a wide variety of sensors including the Army's AN/MPQ-64 Sentinel Radar, the Navy's CEC system and other radar, sensor, and EO/IR data cueing.

Remote Terminal Unit

Raytheon's Remote Terminal Unit (RTU) provides communication between HUMRAAM and the Fire Distribution Center, and controls autonomous launcher functions.



Major System Components



Fire Distribution Center



AMRAAM Missile



AN/MPQ-64 radar



Remote Terminal Unit

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