

AN/ALQ-212 ATIRCM

Advanced threat infrared countermeasures system

U.S. Army standard for fixed and rotary-wing laser-based countermeasures system



Advanced threat infrared countermeasures system (ATIRCM)

BAE Systems' reliable and upgradeable ATIRCM system is the U.S. Army's choice to counter the ever-changing threat environment. The system is designed to protect both rotary and fixed-wing aircraft and uses a high-precision tracking system and powerful laser jammer to detect and defeat IR missiles at long distances. ATIRCM can simultaneously defeat multiple threats, safeguarding the aircraft when operating in highly contested combat environments. Its modularity and small packaging enables it to be easily integrated on both large and small aircraft. This unique design allows the system to be quickly removed and re-installed, providing added flexibility to fleet operations without the risk of increased lifecycle costs.



Protects rotary and fixed-wing aircraft against all manpad threats

How it works

BAE Systems' ATIRCM system is designed to work seamlessly with the AAR-57 Common Missile Warning System (CMWS) and ALE-47 Countermeasures Dispensing System (CMD5):

1. CMWS detects when a missile has been fired at the aircraft and provides a spatial cue to the ATIRCM system.
2. ATIRCM acquires the missile and tracks the trajectory with a high-precision tracking sensor.
3. ATIRCM fires a laser beam directly into the missile seeker, causing the missile to steer away from the aircraft.

Combined with CMWS, ATIRCM provides one of the most advanced and complete threat management solutions to detect and defeat the threats of today and tomorrow.

Combat proven

- Proven reliability in operational environments
- Over 300,000 operational flight hours
- Fielded by the U.S. Army and credited with numerous saves
- Full military environmental qualification
- Confirmed performance in cluttered environments
- Established field and depot support

Specifications	MBL	IRJH	JHCU
Size	7.88 in. width	9.67 in. width	7.5 in. width
	7.31 in. height	13.78 in. height	7.75 in. height
	17.93 in. depth	9.1 in. depth	7.15 in. depth
Weight	28.2 lb.	38.2 lb.	11.6 lb.
Power (400Hz VAC)	833VA/583W	1352VA/1126W	350VA/300W
Power (28 Vdc)	70W	70W	70W

Approved for export

In 2015, the U.S. DoD approved ATIRCM for export, making this life-saving technology available to our allied nations around the world on military and head-of-state platforms.

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