OT-225
ATRCM
Advanced Threat Infrared CounterMeasures System

U.S. Army standard for laser-based countermeasures system

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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 crews and 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 easy integration 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 crews and aircraft from advanced 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 (CMDS). With an open system design, interfaces will remain compatible with future SMART D2 expendable countermeasure systems. When combined with CMWS and Expendable Countermeasure system, layered countermeasure protection is provided.

1. CMWS detects when a missile has been fired at the aircraft and provides a spatial cue to the ATIRCM system.
2. ATIRCM tracks the missile trajectory with a high-precision 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

- Fielded by the U.S. Army and credited with numerous saves
- Over 4,000 operational flight hours
- Proven reliability that exceeds nearly four times the objective requirement
- Full military environmental qualification
- Confirmed performance in high-clutter environments
- Established field and depot support

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>MBL</th>
<th>IRJH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>7.88 in. width</td>
<td>9.67 in. width</td>
</tr>
<tr>
<td></td>
<td>7.31 in. height</td>
<td>13.78 in. height</td>
</tr>
<tr>
<td></td>
<td>17.93 in. depth</td>
<td>9.10 in. depth</td>
</tr>
<tr>
<td>Weight</td>
<td>24.2 lb.</td>
<td>38.2 lb.</td>
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<tr>
<td>Power (400Hz VAC)</td>
<td>833VA/583W</td>
<td>1352VA/1126W</td>
</tr>
<tr>
<td>Power (28 Vdc)</td>
<td>70W</td>
<td>70W</td>
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</tbody>
</table>

Approved for export

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

For more information contact:

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