

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

CIRCM

Always reliable. Always dependable.

5th Generation IRCM Technology for Unparalleled Warfighter Protection



Eclipse Pointer/Tracker



Solaris Laser



Our CIRCM solution utilizes the most advanced laser and pointing technology to protect aircraft against advanced infrared missiles to ensure mission success and bring the aircrew home. This affordable solution interfaces with existing aircraft survivability equipment and uses open architecture to support future growth. CIRCM is a lightweight, highly reliable system designed to

be compatible with rotary, tilt-wing, and small fixed wing aircraft. The system architecture supports multiple tasks such as laser dazzle for hostile fire suppression. Backed by over a million operational flight hours and proven combat experience, our CIRCM team stands ready to protect the warfighter.

Find out more at www.es.northropgrumman.com/circm



The low risk approach to high level protection.



Most Experienced Team in Laser IRCM

Northrop Grumman and its teammate SELEX Galileo are the leading innovators in laser DIRCM. We have installed systems on several hundred aircraft of more than 50 types, including CV-22, CH/MH-53, CH-46 and a host of additional rotary and fixed wing types. We've been protecting warfighters against infrared threats for more than 50 years, with a track record of innovation and investment in IRCM technologies. Among our team's innovations are the ECLIPSE pointer/tracker by SELEX Galileo and the Solaris laser by Daylight Solutions, the recognized leader of quantum cascade laser (QCL) technology. With our CIRCM solution, high-level protection comes with low risk.

Our team has led the way with core IRCM technologies, including:

- Multiband laser
- Continuous Laser autoboesight
- QCL laser technology
- Battle ready track algorithms
- High resolution camera
- Multi-pointer jamming synchronization
- CMWS interface

	Demonstrated Benefits	Test History
Pointer/Tracker	<ul style="list-style-type: none"> • Low cost • High reliability • Low mass – suitable for light helicopters • Minimal air-stream intrusion • Modular design with low build complexity • Baseline design configured for capability enhancements and spiral upgrades 	<ul style="list-style-type: none"> • Integrated directly to CMWS • Exceptional performance in Reliability Testing • Successful live fire testing • Successful flight testing
Solaris Laser	<ul style="list-style-type: none"> • Fast, simultaneous breaklock jamming • Power margin to defeat future threats • Reliable solid state sources • All-weather, all-altitude operation • Field replaceable • Dual production facilities 	<ul style="list-style-type: none"> • Performance over environment • End-to-end system testing • Reliability

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