

LEONARDO ELECTRONICS

MIYSIS DIRCM

Directed Infrared Countermeasure System

WHAT PROTECTS YOUR MOST VALUABLE ASSETS?

One of the greatest threats to Head of State/ Government VIP aircraft principal passengers and their crews is that posed by Infrared Man Portable Air Defence Systems (IR MANPADS). These readily available missiles are inexpensive, highly portable and continue to be used lethally in both military conflicts and by terrorist organisations.

THE THREAT IS REAL

As technology has developed, MANPADS have become increasingly resistant to, quantity limited, flare decoys. Against today's threat the most effective defence from MANPADS is to defeat them with a high power, multiband, laser Directed Infrared Countermeasure (DIRCM) system.

Modern advanced MANPADS can engage low heat signature aircraft from any aspect, meaning that it is vital DIRCM systems provide synchronised, multi-shot, allaspect protection.

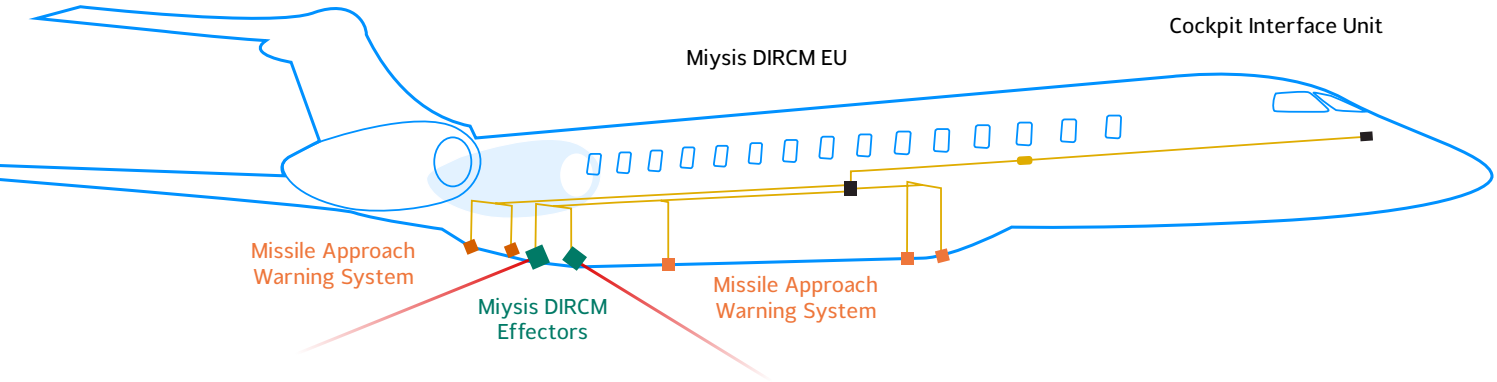
THE PROVEN SOLUTION

As a global leader in the development, manufacture and support of airborne laser and electro-optic systems, Leonardo has developed the Miysis DIRCM System providing high power, all-aspect protection against modern, advanced IR MANPADS. Miysis DIRCM is fully operational and our customers include several NATO nations as well as a number of Government VIP applications.

The baseline Miysis DIRCM configuration is a twin-head system to ensure the necessary level of spherical protection to defeat the modern, advanced threat. A three-head system configuration ensures ultimate coverage and protection for larger platforms with highvalue missions.

Certified in both civil and military regulatory installations, Miysis DIRCM installations provide a very discreet solution for totally effective protection. The invisible nature of laser also ensures a cool diplomatic presence can be maintained under the most challenging circumstances.

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ULTIMATE CUSTOMER FLEXIBILITY

Offering market-leading size, weight and power characteristics with no compromise of its trial-proven jamming capability, the system design utilises open architecture concepts allowing it to be installed on aircraft as a standalone DIRCM solution or integrated as part of a broader Defensive Aids System ensuring ultimate customer flexibility.

No other DIRCM supplier delivers this level of combined, next-generation, capability in a readily exportable package.

CAPABILITY BENEFITS

- → Single solution for GVIP helicopters and fixed wing aircraft of all sizes and heat signatures
- → Dependable, persistent and proven protection
- → Proven ability to defeat modern advanced threats including very short range and multiple missile engagements
- → Flexible aircraft installation options to exceed customer operational and integration requirements
- → Exceptionally high laser energy-on-target
- → Greatly reduced through-life cost and support requirements

PRINCIPAL FEATURES

- → Market-leading small size and weight with low power demand
- → Readily exportable, multi-band DIRCM
- → Fully synchronised, multi-head, all-aspect coverage with exceptional response speed
- → Fully compatible with any DIRCM-capable Missile Approach Warner
- → Laser directly coupled and alignment free
- → Highly reliable and low-maintenance
- → Slimline design having minimal effect on aircraft performance
- → Discrete and discerning civil and military certified installations
- → Autonomous stand alone solution with minimal interactions with existing aircraft systems or fully integrated into a wider Defensive Aids Suite

Specification

Twin- head solution:
Total weight: 38kg
Maximum operational power consumption = < 1350W (28v DC) for a twin-head system
Effecter dimensions (W x L x H): 183mm x 270mm x 341mm (only 91mm into the airstream)
Electronics Unit dimensions (W x L x H): 234mm x 124mm x 194mm



→ Fixed and rotary wing application



→ Multiple EASA civil certified STCs

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