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Directed Infrared Counter Measure System “YILDIRIM-100”

The number of lethal missiles has been growing among terrorist organizations or third world countries. A missile attack against military air platforms and civil airplanes, in most cases, results in serious human and material losses as well as prevents military platforms from successfully completing their missions. As the technology evolves and modern IR missiles become popular, InfraRed Guided Man Portable Air Defense Systems (MANPADS) are becoming more resistant to traditional IR countermeasures.

ASELSAN as a global leader in the development, manufacturing and support of electro-optic, laser and avionic systems, has developed state-of-the-art YILDIRIM-100 providing all aspects of protection against MANPADS missiles. Besides its high availability, low-maintenance and low life cycle cost.

The system has been specifically designed to protect rotary wing aircrafts from IR missile attacks. Main mission of the system is to automatically counter infrared missile systems by detecting, tracking and jamming the threat by means of high-power laser beam under harsh environmental conditions.

YILDIRIM-100 is the new guard of rotary wing air crafts to ensure spherical protection with its high-end twin-turret unit consisting of fast and accurate tracking unit and high-power laser source unit. New generation high-power laser design provides synchronized multi-band directed high energy laser beam against seekers of MANPADS. With the help of state-of-art tracking unit, laser beam is able to jam seeker's tracking mechanisms till protection is succeeded under multiple threat scenarios. In addition to this, the system is small in size and weight and has low power consumption containing electronic control box, which manages the DIRCM system and provides communication interfaces that makes it compatible with any UV based and IR based missile warning systems. Flexible hardware and software design enable YILDIRIM-100 to be integrated into different platforms and to work with any missile warning systems.

YILDIRIM-100, using the high-end technologies, is the new game changer in the field via its superior features.

About ASELSAN:

As a global technology leader, we have established an organization that delivers new experiences to our users all across the world. By investing into our highly diversified human asset, we keep growing in a sustainable and inspiring fashion.

A journey began with a radio communication device today took us to more than 500 various products and solutions that changed “status quo ante” in defense and security arena. Our ambitious global expansion strategy made us embracing investment opportunities in promising markets.

With the inspiration of our clients in more than 80 countries, we start every new day with new ideas and dreams that encourages us to challenge technology boundaries. Striving for a better planet is our endless motivation.

Note: For more information regarding the products, please visit our booth at the IDEF 2023.

MEDIA CONTACTS

Esra DOGU, esradogu@aselsan.com.tr

Evrin Aysen ATAKAN, eaatakan@aselsan.com.tr