

9 April 2013

Rheinmetall: electro-optical systems and products for optimum effectiveness and comprehensive protection

High-performance sensors and fire control systems make it possible quickly to detect, identify and discriminate between potential threats, engaging them where necessary. At LAAD 2013 Rheinmetall's business unit Electro-optics is presenting a selection of its diverse array of products in this field.

This year's focal point is effectiveness. The Vingmate aiming and fire control system features the Saphir 9.6 aiming device and a fire control unit, a combined tripod and gun cradle. It is thus suitable for various 40mm automatic grenade launchers such as the MK19 and HK GMG but also for heavy .50 cal. machine guns like the FN M2, or even 20mm automatic cannon such as the GAM B01. Vingmate is designed to permit programming of airburst rounds via an infrared laser beam as they leave the barrel. Along with the Vingmate fire control system, at LAAD 2013 Rheinmetall will be displaying the VingSim, its accompanying training device.

At its LAAD booth Rheinmetall also will be presenting various night observation devices, including GN night vision goggles and the KN 200/250 night vision sight. These make it possible to detect potential threats in the dark and in conditions of poor visibility and adopt appropriate countermeasures. As a result, they are particularly well suited to border control and security operations.

Furthermore, visitors can take a look at the Group's trusted laser pointers, laser target marker and laser light modules, including the Vario-Ray (LLM-VR), and the LLM01, which is in service with numerous armed forces and law enforcement agencies world wide. The Group's ZEFF identification friend-foe system, known as the Dismounted Soldier Identification Device/DSID, rounds out the division's array of products on display, together with its Multi-Ray fire control unit.

The new Multi-Ray is substantially more compact and lighter than its FeLVis forerunner, and is suitable for low- and medium-velocity 40mm ammunition including air burst rounds. It features a laser rangefinder, is able to detect if the weapon is at an incline, and also calculates the necessary lead. In addition, it is equipped with a laser pointer, an IR laser pointer invisible to the human eye, an electronically focusable IR illuminator and an optional identification friend/foe device.

The Rheinmetall products on display at LAAD 2013 underscore once again the versatility of a globally leading systems supplier and longstanding partner of the world's armed forces and security services.

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