



Amazon

Compact Fire Control System

A compact, affordable and efficient solution for the upgrade of all types of vehicles.

Amazon fulfils and surpasses all operational and technical requirements of most customers at an affordable cost.

Amazon is a very compact and performing sensor solution the Amazon sensor package (SGS) is specifically designed to be mounted on the gun mount outside of the vehicle.

It can incorporate either a cooled or an uncooled, 3rd Generation, thermal camera with continuous zoom objective with preset positions, a zoom day TV camera and a 1.54 μm eyesafe laser rangefinder with more than 10 Km maximum range.

The Compact Digital Computer and Control Panel and the Flat Panel display allow for easy installation even in very compact turrets with little space available.

Amazon is based on field-proven solutions and provides an extremely reliable and cost effective solution.

Amazon provides a top of the line and cost effective solution for the aiming in day and night conditions of all sort of weapons including 105 mm, 30 mm, 12.7 mm and other calibers.

Main characteristics

- Performant, cost-effective solution.
- Simple installation.
- Simple maintenance.
- Mature and proven equipment.
- Simple installation of SGS outside of vehicle on gun mount.
- Compact and affordable aiming system.
- Extremely flexible: field of view and magnifications are customizable.
- Last generation digital design.
- Suitable for up 105 mm, 30 mm, guns 12.7 mm machine gun and other calibers.

Capabilities

Accurate firing at stationary and moving targets from stationary position.

Surveillance, sighting, ranging and aiming performed through one of two independent, but well bore-sighted, day and thermal channels.

Each imaging channel can be alternatively selected and displayed in both the Gunner's and the Commander's Monitors.

Both channels are based on zoom optics with easily selectable preset positions to provide maximum flexibility to adapt from wide area surveillance to long range precision aiming in very narrow field of view.

Field Boresight adjustment is a simple operation from the control panel.

References

Amazon FCS for AMX-13 tank upgrade

- Production Year: 2013-to date.
- Firing Trials: May 2014.

The Amazon UC sight is part of the Indra Fire Control used for a full upgrade of the AMX-13 light tanks. The Amazon Sight is mounted on the back of the turret and moves with the gun.

Firing trials with both the machine gun and the 105 mm main gun were performed successfully in May 2014, a series production is under way.

A very relevant improvement of fire power capabilities in terms of engagement range and all weather scenarios, at an affordable cost.

A very quick and simple installation and maintenance, keeping legacy equipment as a back-up provision.

Mature and state-of-the-art technology, with long life cycle, with possible application or reuse on other armor platforms.

Versions

Amazon UC

(Uncooled) fitted with last generation detector with 640x480 pixels resolution and high sensitivity working in the 8-12 microns band for the most affordable solution.

Amazon HD

Cooled 3-5 detector with "full TV format" 640 x 512 pixels and High Definition zoom TV camera for the best possible performance.

Both of the Amazon versions use Indra components that are fully tested to the most stringent military standards and have been field proven by the Spanish Army both in Spain and in very severe environments on missions abroad and also by foreign military customers.



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