

# RAAD II



# RAAD II

## Defense Division

RAAD II is a Remote Controlled Weapon Station (RCWS) for M230LF (30mm cannon), that can be adapted to other calibers. It is a lightweight and compact 2 axes gyro-stabilized system and operates day and night for combat, surveillance, target identification and tracking targets.

Specially designed to be integrated in a wide range of platforms and vehicles, this system provides defence capabilities for short and m h high firing accuracy being a reliable solution against asymmetric threats.

### FUNCTIONALITY

- Independent LOS (Line of sight) from LOF (Line of fire).
- Fire inhibition.
- Gyro stabilization for enhanced firing accuracy.

### ADAPTABILITY

- Adapted to different configurations, platforms and weapons.

### MAINTENANCE

- Modular architecture.
- Low maintenance.
- Built-In Test.

### EXTENDED RANGE

- Operator target identification over 3 km in IR and over 8 km in daylight.

### COSTUMIZED CONFIGURATION

- Integrating a cooled or uncooled camera to meet different requirements.
- Armoured protection (Level II).

### INTERFACE

- Full screen mode.
- Transparent iconography.
- Control panel with joysticks and extended functionality.

# TECHNICAL DATA

# WEAPON STATION

## WS Platform

**Mounting type:** 2 axis stabilized station.  
**Type:** Independent Pan and Tilt platform.  
**Weapon:** Standard configuration with M230LF (30 mm) cannon. Additionally can be equipped with a 12.7 mm (M2) and Grenade launcher (MK19).  
**Gun Elevation Angle:** -20° to 55°.  
**Gun Bearing Angle:** Nx360°.  
**Stabilization LOS level:** < 1 mrad.  
**Weight:** < 220 kg (without weapons/ammunition). 30kg Control and command subsystem inside of the vehicle.

## Weapon

**Recoil:** 7,339 N.  
**Rate of Fire:** Single Shot, Burst, Full Automatic @ 200SPM.  
**Clearing Method:** Cook off safe, open bolt.  
**Case Ejection:** Side.

## Other Features

**Extremely flexible as a multi-role, multi-target capable**

- Air, Naval and/or light vehicle applications.
- Fires HEDP,TP,TPT, HEI-T & NATO 30mm ADEN/DEFA ammo.

**Highly reliable; 22k rounds between mean time of failure.**

# ELECTRO OPTICAL SYSTEM

## Cooled IR camera (EOS-M):

- InSb 640 x 512.
- 3rd Generation MWIR detector.
- 15 µm Pitch.
- Continuous zoom 8X. 2.2° to 17.6°.

Ranges	EOS-M	VISIBLE
Detection	≥ 17,3 km	≥ 15 km
Recognition	≥ 5,4 km	≥ 10,3 km
Identification	≥ 3,6 km	≥ 8,4 km

NATO Target of 2,3m x 2,3m

\*Gyro-stabilized & modular platform with 2 IR cameras available

## CCD camera:

- High Definition.
- Continuous Zoom of 20x.
- Field 1.8° to 36°.

## Laser Range Finder (LRF)

- Eye safe 1.54 µm.
- Accuracy ± 5m.
- Maximum range: 8000 m.
- Programable frequency 1Hz - 10Hz.
- Optional Laser Pointer.

