



# THALES

Thales Defense & Security, Inc.

**2026 Products**



22605 Gateway Center Drive  
Clarksburg, MD 20871

CAGE Code 23386

# Ground Observer 12 (GO12)

## Tactical Target Acquisition and Indirect Fire Adjustment Radar



Highly precise and combat proven, the GO12 was developed with skilled artillery/mortar Forward Observer units to provide them with high precision target acquisition and indirect fire adjustment capabilities. The point of impact of a shell can be detected with an accuracy of less than 13 ft in range in hi-res mode. Since 2019, the GO12 has been used in heavy fighting on the African and European battlefield. It has proven to be an indispensable asset for the modern warfighter.

Air-droppable, covert, combat proven, fielded with airborne and mountain artillery and light recon units 24h operation in the AO. Approved for airdrops and vehicle/UGV/ATV mountable with mast integration for far-forward deployed troops. Electromagnetically covert through random frequency hopping. High resolution mode with 33 ft. range cells for ultimate precision. More than 500 systems are in operation on six continents. Serious, long-term battlefield use since 2019.

## Technical Specifications

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### Parameters

IAW MIL-STD-840G & MIL-STD-461F

Ku-band

Precise target acquisition up to 17 miles

360° scan or multi-sector mode with  
+/- 22° sensor tilt angle

Mortar/artillery fire adjustment up  
to 9.4 miles

Detects very slow and fast (near) ground  
and low-flying targets

Operational Advantages

For light forces deployed in rough terrain

# Accessories

Part Number	NSN Number	Accessory Description	
84750010000CA		Radar Sensor	<i>Photo Not Available</i>
8455072000AB		Tripod	<i>Photo Not Available</i>
8455065120AA		Battery Pack (2 Batteries) rechargeable BP2590	<i>Photo Not Available</i>
8455065040BA		Main cable (2m)	<i>Photo Not Available</i>
8455065310AA		Standard connection cable (10m)	<i>Photo Not Available</i>
8455011300BB		Optical sight	<i>Photo Not Available</i>
8466061100BA		Ruggedized laptop	<i>Photo Not Available</i>

# Capabilities

## Key Features

- > Lightest, most compact radar of its class
- > Man-packable, air-drop certified, mobile mast mount adapted
- > Fast set-up time of 5 minutes or less
- > Multi-vehicle type deployment options including ATVs, UGVs and UTVs
- > For dismounted, remote reconnaissance missions
- > Far-forward detection and classification
- > Multiple target acquisition modes
- > Scan (Single and Multi-Sector)
- > Automatic target classification
- > Track-While-Scan for slow and fast targets
- > For highly precise target acquisition and mortar/artillery fire adjustment
- > Pinpoint lethality supporting forward observers' missions
- > Fast and accurate indirect fire adjustment mode
- > For perimeter surveillance tasks
- > Enhanced FOB and COP security
- > Effective ECM circumvention and avoidance
- > Low probability of detection via wide counter-ELINT "Agile Frequency Mode"
- > Low power emissions and multi-directional frequency hopping
- > Customizable state-of-the-art C2 interfaces
- > Open interface for data integration to battle management systems
- > Facilitates commander's real-time situational awareness

**Michael Donaldson**

Director of Advance Programs  
Sensors & Missile Systems

Michael.Donaldson@thalesdsi.com

C: 301.368.4621



Specifications are subject to change without notice.

**Thales Defense & Security, Inc.**

22605 Gateway Center Drive | Clarksburg, MD 20871

TF: +1.800.914.0303 | P: +1.240.864.7643

solutions@thalesdsi.com | www.thalesdsi.com

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