THALES

TYR

Laser Target Designator and Imager

- Fully Integrated Designator Imager and Rangefinder
- Visual Confirmation of Designated Target
- Compact and Lightweight
- Highly Reliable Battle Proven Technology
- Dismounted, Vehicle and Man-Portable Applications

Laser Excellence

www.thalesgroup.com

TYR

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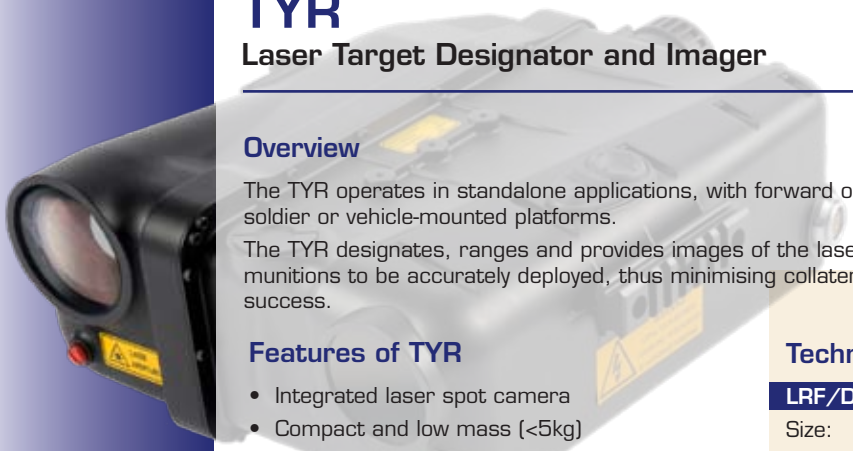

Overview

The TYR operates in standalone applications, with forward observation sensor equipment, dismounted soldier or vehicle-mounted platforms.

The TYR designates, ranges and provides images of the laser spot on the target to allow laser-guided munitions to be accurately deployed, thus minimising collateral damage and enhancing the probability of success.

Features of TYR

- Integrated laser spot camera
- Compact and low mass (<5kg)
- Rapid deployment
- High reliability (no liquid cooling needed)
- Stand-off operation
- Day and night operation capability
- Undertake multiple deployment (rapid code change)

Applications

- Close Air Support (CAS) designation and ranging missions
- Forward Observers (FO) operation
- Forward Air Control (FAC) missions
- Vehicle and mast-mounted platforms
- Dismounted soldier

- Picatinny rails to allow mounting of external equipment
- Readily integrated with other observation systems, e.g. Sophie UF through RS422, USB and Ethernet interfaces

Technical Data

LRF/D	
Size:	< 6.2 L
	231mm x 111mm x 284mm
Weight:	5 kg

Designation Performance
Meets requirements of STANAG 3733

Ranging Performance	
Maximum range:	10 km
Minimum range:	200 m
Range accuracy:	±5 m
Range update rate:	20 Hz

Laser Characteristics	
Wavelength:	1064 nm
Output energy:	> 70 mJ
Beam divergence:	< 300 µrad

Sighting System	
Indirect view OLED Display	
Objective diameter:	56 mm
Field of view:	2.5° H x 1.9° V
Graticule:	Injected central cross
Eye relief:	≥22mm
Ethernet 10/100	
Video NTSC/PAL (Input and Output)	
RS422	
USB 1.1	

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