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

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TYR
Laser Target Designator and Imager

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

Technical Data

<table>
<thead>
<tr>
<th>LRF/D</th>
<th>President</th>
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<tbody>
<tr>
<td>Size</td>
<td>&lt; 6.2 L</td>
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<tr>
<td></td>
<td>231mm x 111mm x 284mm</td>
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<tr>
<td>Weight</td>
<td>5 kg</td>
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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

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

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