

# DNTSS

## Day/Night Thermal Sighting System

**State-of-the-art Sighting and Fire Control System upgrade.**

**Incorporating:**

Laser Rangefinder, Thermal Imaging, Ballistic Computer and TV Channel.  
Modular and Compact design for upgrading tanks and Armored Fighting Vehicles (AFVs)



**elop**  
Electro-Optics Industries Ltd.

A Subsidiary of  
**EIbT**  
SYSTEMS Ltd.

# DNTSS

## Day/Night Thermal Sighting System

### Technical Data

#### Features

- Very wide elevation range
  - Full ballistic solution
  - High accuracy
- Commander monitoring and operation, using display

#### Advantages

- Modular
- Compact
- Operation 24 hours around the clock and in all weather conditions
- Currently in production
- Excellent Reliability and maintainability

#### Applications

- Tank upgrades
- New turrets for AFVs

#### Upgrade Capabilities

- Automatic LOS deflection, according to ballistic data correction
- Add-on ballistic sensors
- Video recording and data transmission

### Technical Specifications

- |                              |                                                  |
|------------------------------|--------------------------------------------------|
| • LOS elevation              | -15° to +25°                                     |
| • Direct view optics FOV     | Day channel 8° at x8 magn. Unity Channel 25°x14° |
| • Thermal Channel            | Second generation, 8-12 $\mu$ m or 3-5 $\mu$ m   |
| • CCD day channel            | 3° x 2.3°                                        |
| • Ballistic solution         | 60 mils in elevation +/- 15 mils in azimuth      |
| • Ballistic tables           | 6 ammos, environmental corrections               |
| • LOS and ballistic accuracy | 0.1 mil                                          |
| • Eyesafe laser              | 1.54 $\mu$ m                                     |
| • Rangefinding range         | 200 to 9995 meters                               |
| • Rangefinding logic         | First/Last target                                |
| • Accuracy                   | +/- 5 m                                          |

Note: Parameters may be altered to comply with customer specifications.  
EL-OP - ElectroOptics Industries Ltd., reserves the right to make such alterations in design, dimensions, specifications, and manufacturing to ensure continual quality improvement.

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