ELOP LIZ
Advanced Multi-Sensor Day/Night EO Sight for Remote Operations

Main Advantages & Features
- Advanced, grounded TI technology
- Advanced high resolution detector
- Long-range performance
- IR optical zoom
- Telescope magnifier
- Color day camera with continuous zoom
- Integral eyesafe LRF
- Small lightweight package, ruggedized for harsh environment
- Simple operation from any remote console via standard communication and video transmission

The Solution
- Observation & surveillance operations
- Security & perimeter defense
- Stationary & mobile weapon sight
## Technical Data

**Thermal Imager:**
- **Spectral band**: 3-5μm
- **Entrance aperture**: 40 mm
- **F/#**: F/5.5

**Fields of view (continuous zoom X5, discrete WFOV):**
- **Narrow**: 2.5° x 2.0°
- **Continuous zoom range**: 2.5° to 12.5°
- **Widest**: 20° x 25°

**Digital zoom (E-zoom)**: Up to x3
**Telescope magnifier**: X1.4 / X2

**Detector**
- **Type**: InSb FPA
- **No. of elements**: 640 x 512

**Cooler**: Stirling closed cycle
**Video signal**: CCIR

**Day CCD:**
- **Continuous zoom**: X36
- **NFOV**: 1.7°
- **WFOV**: 57°

**LRF:**
- **Type**: Erbium Glass
- **Wavelength**: 1.54μm
- **Laser safety**: Eyesafe (Class 1)

**Range to NATO-size target**: 6 km
**Effective range**: 20 km

**Power source options**: 20-30VDC (MIL-STD-1275 compliant)

**Weight**: 9 kg
**Environmental conditions**: IAW MIL-STD-810F
**Operating temperature**: -30°C to +55°C

### Range Performance:

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<th>Range (km)</th>
<th>Recognition in NFOV</th>
<th>Detection in NFOV</th>
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