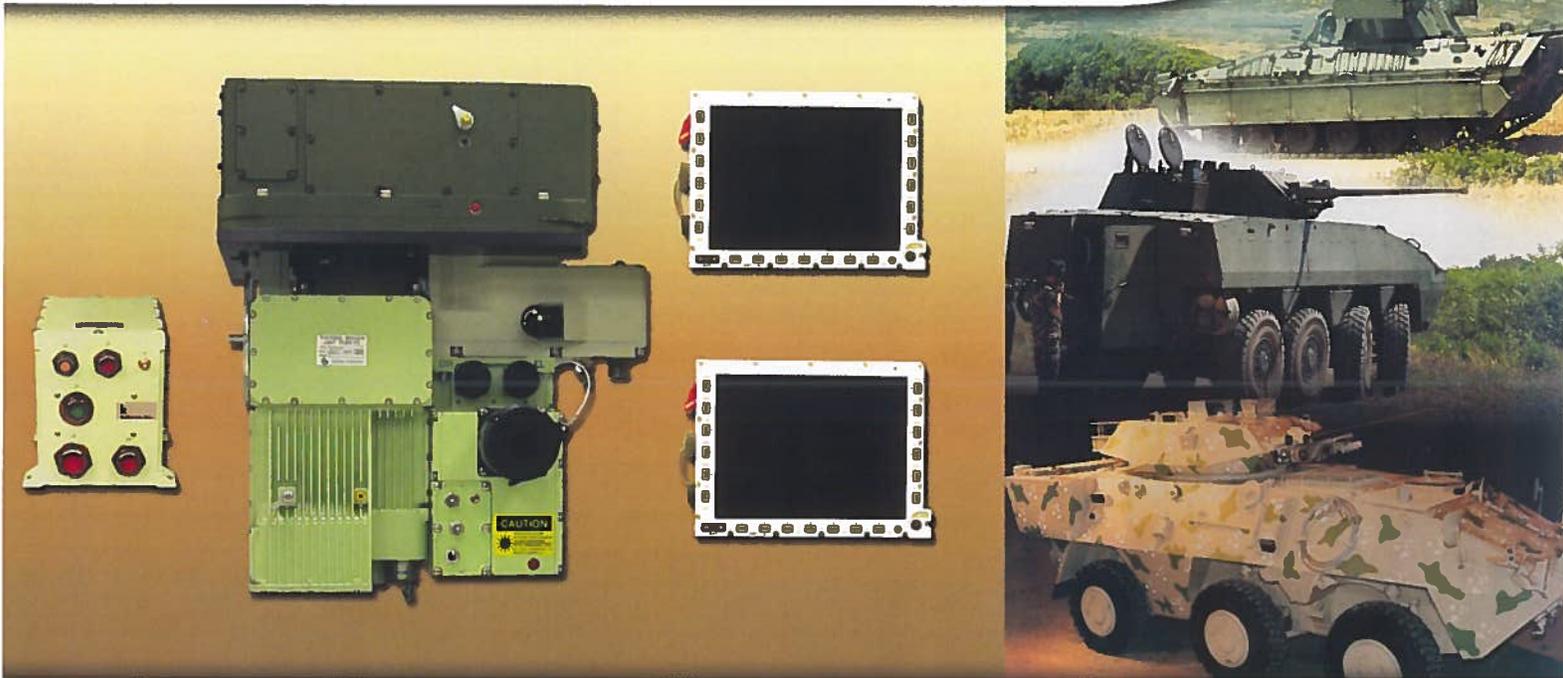




## DNRS

### Day/Night Range Sight



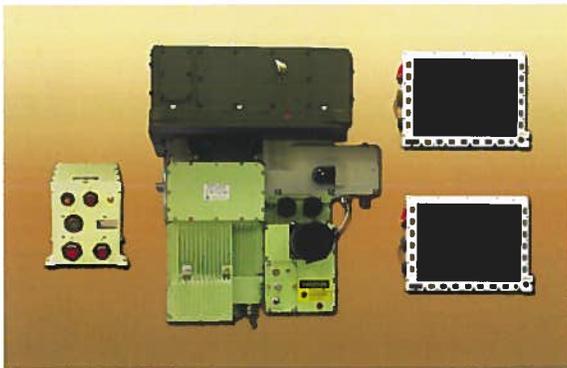
The ADS Day/Night Sight (DNS) was developed as a compact, modular, low cost "form, fit and function" thermal sight replacement for the M36/M32 series image intensified day/night sights. The system's enhanced thermal camera enables the gunner to acquire targets at night or under obscured battlefield conditions beyond the effective range of the main weapon. The thermal picture is provided to the gunner and commander via remote liquid crystal displays (LCDs). M32 daylight optics (8x) are replaced by an ADS Integrated Eyesafe Laser Rangefinder (ELIP) to create the Day/Night Range Sight (DNRS) configuration. A DNRS configuration is also available incorporating a TOW tracking capability for turret configurations with "saddleback" TOW launchers. Tracking sensors are integrated to both the daylight and thermal channels for TOW 2 missile guidance.

#### Features:

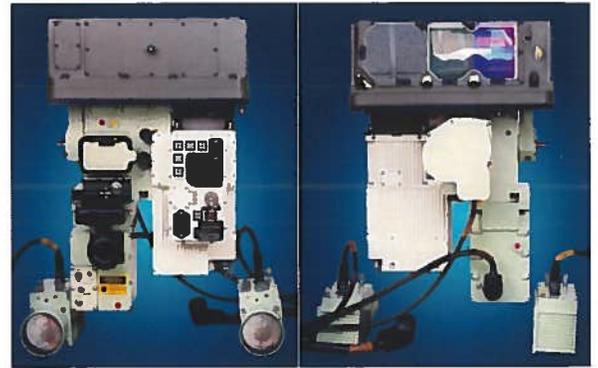
- Day and Night Sight including SIPC
- ELIP
- LCD Displays
- Head Mirror Assembly
- TOW Configuration Available

## Technical Information

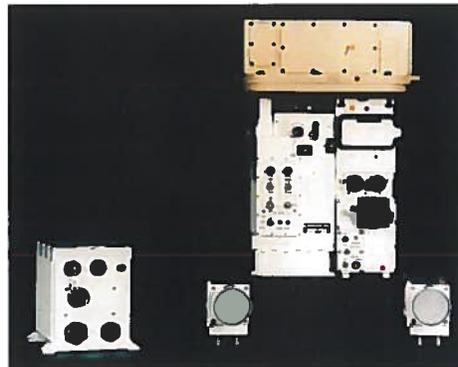
- Periscope head with mirror, mechanically linked to the main weapon; elevation range  $-20^{\circ}$  to  $+60^{\circ}$ .
- Periscope mount including unity (1x) daylight window.
- Daylight Optics - 8x or 12x Eyesafe Laser Integrated Periscope (ELIP), with integrated erbium glass eyesafe (1.54mm) laser rangefinder.
- Thermal Camera of the following optional configurations:
  - Long Wave (8-12mm) scanned or 288 x 4 MCT detector array.
  - Video Format: RS-170 or CCIR
- Gunner's and Commander's LCD Displays
- Sight Interface Power Conditioner - providing filtered turret electrical power.



DNRS - LCD version



DNRS with TOW Tracker  
(Front and back view)



DNRS - Biocular Version

# ADS

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