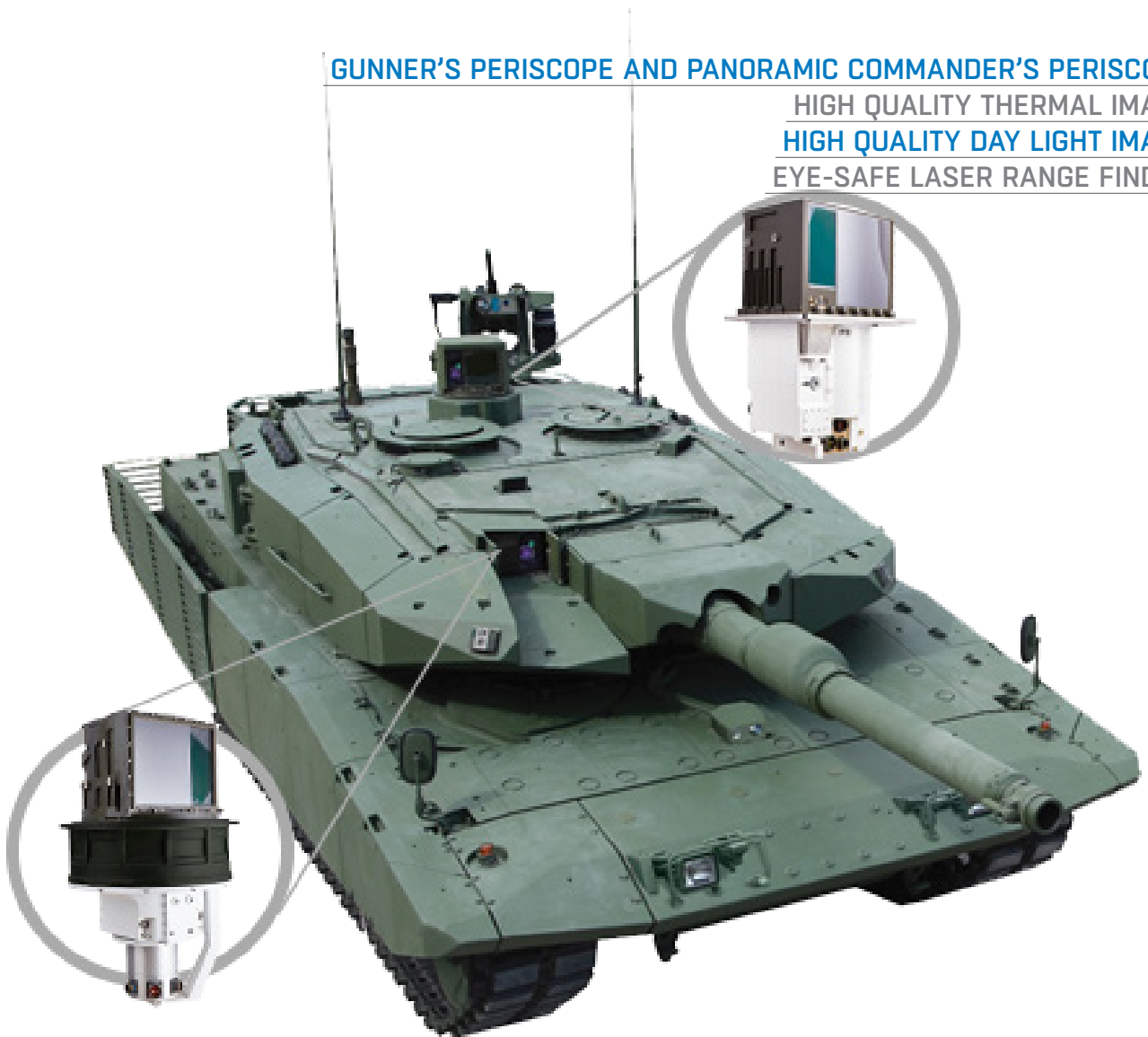


HAWKEYE-II

TANK SIGHT SYSTEM

GUNNER'S PERISCOPE AND PANORAMIC COMMANDER'S PERISCOPE
HIGH QUALITY THERMAL IMAGE
HIGH QUALITY DAY LIGHT IMAGE
EYE-SAFE LASER RANGE FINDER





HAWKEYE-II

TANK SIGHT SYSTEM

Applications

- ALTAY Main Battle Tank
- Leopard2A4 Main Battle Tank

Main Features

- High Performance within a small volume
- High quality thermal camera image
- High quality day camera image
- Eye-safe Laser Range Finder

Environmental Conditions

- Operating Temp : -32°C / +52°C
- Storage Temp. : -45°C / +55°C

Technical Specifications

Stabilized Mirror	-9°/+20° elevation 50 μ rad stabilization accuracy for two axis N x 360 degrees of rotation in Az. (Commander's Peri)
Thermal Sight Unit	Staring Array LWIR Detector 640x512 pixel Video Resolution Cooled 8-12 μ m detector Electronic Zoom Adjustable Brightness/Contrast/Focus Image Processing Algorithms Cooldown time less than 7 min FOV (Horizontal): 2° (Narrow) / 8.2° (Middle) / 12° (Wide)
Laser Range Finder	Eye-safe Class-1 Laser Up to 10.000 m range ± 5 m accuracy Divergence : 1 mrad Reflection Selection Rep. Rate : 0,5 Hz
Daylight Camera	CCD type detector FOV : 5° (Narrow) / 20° (Wide) Magnification 3x & 12x Electronic Zoom Automatic focus
Direct View Optics (Gunner's Periscope)	FOV : 5° (Narrow) / 20° (Wide) Magnification 3x & 12x
Periscope Electronics Unit (Gunner's PEU + Commander's PEU)	IR and TV Video Processing Sight stabilization Electronic zoom, Automatic Gyro Drift Compensation Symbology Communication Power compatibility
Inertial Navigation Unit	Accurate acceleration, speed and location info. Fiber optical gyroscopes High reliability GPS fooling and spoofing Proof Design Modular structure
Communications	RS422 PAL & DVI Video Output