

KARTALGÖZÜ-100

HIGH QUALITY THERMAL CAMERA

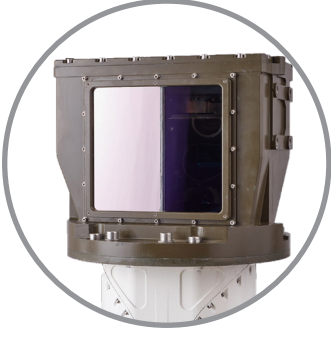
HIGH QUALITY DAYLIGHT CAMERA

EYE-SAFE LASER RANGE FINDER

CONFIGURABLE as GUNNER'S/COMMANDER'S PERISCOPE

MODULAR, FLEXIBLE AND RUGGED DESIGN





KARTALGÖZÜ-100

Applications

- T72 Main Battle Tank
- Leopard2A4
- Main Battle Tank
- Armored Infantry Fighting Vehicles

Main Features

- High Performance within a small volume
- High quality thermal imagery
- High quality day light imagery
- Eye-Safe LRF
- Wide and Narrow FOV for Both Cameras
- Low-cost & Cost Effective.
- Customizable interface
- Modular and Flexible
- Configurable as Gunner's or Commander's Periscope
- Automatic Target Tracking
- Ballistics Computer/Processor Compatibility

Environmental Conditions

- Operating Temperature : -40°C/+55°C
- Storage Temperature : -45°C/+55°C

Technical Specifications

Stabilized Mirror

- -10°/+20° Elevation
- 100 µrad Stabilization Accuracy for Two Axis (1σ RMS)

Thermal Sight Unit

- 640x512 Pixel Detector Resolution
- Cooled 8-12 µm or 3-5 µm Detector
- RS422 and Ethernet Communication Interface
- Adjustable Brightness/Contrast/Focus
- Advanced Image Processing
- Cooldown Time < 7 min for MW Detector
- Cooldown Time < 9 min for LW Detector
- LWIR detector (Horizontal) 3.7° (Narrow) / 10.3° (Wide)
- MWIR detector (Horizontal) 2° (Narrow) / 12.5° (Wide)

Laser Range Finder

- Eye-safe Class-1 Laser
- Range 100m - 10.000m
- ±5m Accuracy

Daylight Camera

- CCD Type Detector
- 2° - 12° FOV (Continuous)

Interface

- Power : 28V DC, Nominal 150W, Maximum 575W
- Communication : Ethernet, RS422
- Weight : < 45 kg Gunner's Peri. < 70 kg
Commander's Peri. (Armour + 30 kg)

