

KARTALGÖZÜ-200

TANK SIGHT SYSTEM

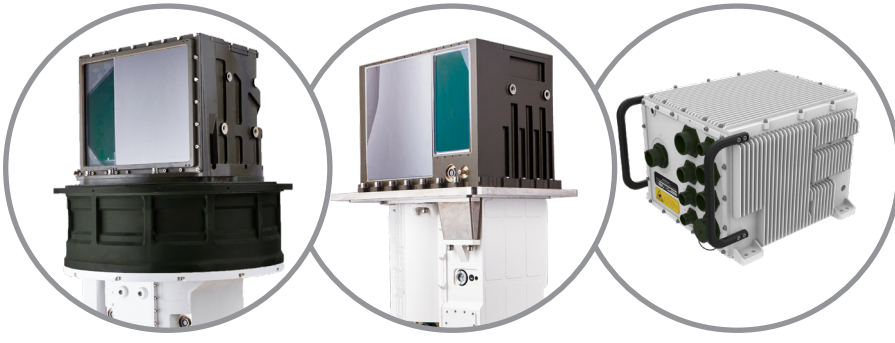
COMMANDER AND GUNNER PERISCOPES

HIGH QUALITY TERMAL IMAGE

HIGH QUALITY DAY LIGHT IMAGE

EYE-SAFE LASER RANGE FINDER





KARTALGÖZÜ-200

TANK SIGHT SYSTEM

Applications

- Altay Main Battle Tank
- LEOPARD2A4 Main Battle Tank

Main Features

- High Performance within Small Volume
- High Quality Thermal Image
- High Quality Day Light Image
- Eye-Safe Laser Range Finder

Environmental Conditions

- Operating Temperature : -32°C to +52°C
- Storage Temperature : -45°C to +55°C

Dimensions and Weight

Gunner Periscope (h x w x d)

- Dimensions: 660.5mm x 486.5mm x 432.4mm
- Weight: 73+/-5 kg

Commander Periscope (h x w x d)

- Dimensions: 883.8mm x 535mm x 535mm
- Weight : 144.5+/-5 kg

Periscope Electronic Unit (h x w x d)

- Dimensions: 213mm x 288mm x 283mm
- Weight: 17+/-1 kg

Technical Specifications

Stabilized Mirror	-9° to 20° Elevation
	100 µrad Stabilization Accuracy for Two Axis
Thermal Sight Unit	N x 360° Rotation in Azimuth (Commander Periscope)
	Staring Array LWIR Detector
	640 x 512 Pixel Video Resolution
	Cooled 8-12 µm Detector
	Electronic-Zoom
	Adjustable Brightness/Contrast/Focus
	Image Process Algorithms
Laser Range Finder	Cooldown time less than 7 minutes
	FOV (Horizontal): 2° (Narrow) / 8,2° (Middle) / 12 (Wide)
	Eye-Safe Class-1 Laser
	Up to 10.000 m Range
	±5m Accuracy
	Divergence: 1 mrad
Daylight Camera	Reflection Selection
	Repeatability Rate: 0,5 Hz
	CCD/CMOS Type Detector
Gunner's and Commander's Periscope Electronic Units (PEU)	FOV: 3° (Narrow) / 12° (Wide)
	Magnification: 3x & 12 x
	Electronic Zoom
	Automatic Target Tracking
	Sight Stabilization
Communications	Electronic Zoom
	Automatic Gyro Drift Compensation
Communications	Symbology
	Power Compatibility
	RS422 Ethernet
Communications	Ethernet Video Output