

AKREP EO

SYSTEMS INTEGRATED INTO THE RADAR

HIGH PERFORMANCE THERMAL CAMERA

HIGH PERFORMANCE DAYTIME VISION UNIT

LASER RANGE FINDER, HARMLESS TO THE EYES

LOW ERROR RATE AND HIGH MISSION CONTINUITY





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SYSTEMS INTEGRATED INTO THE RADAR

Application

- Fire Control Radars
- Long Distance Target Detection/ Identification

General Properties

- High Performance Middle Wavelength Infrared (MWIR) Camera
- High Performance HDTV Camera
- High Performance Daytime Vision Unit
- Laser Range Finder compatible with NATO STANAG 3733
- Laser Range Finder, harmless to eyes
- Vision Optimization
- Vision Polarization
- Vision Freezing
- BIT Function
- Laser Dimming Signal Exit
- Ability to Boresight on the Platform

Laser Range Finder

- Wave Length : 1570 nm
- Measurement Range : 300m-25km*
- Measurement Accuracy : ± 5 m (1 σ)
- Max Frequency of Recurrence : 20 Hz

* Laser Range Finder Range Performance

- Valid for the good weather conditions with a sight distance of 23 km and valid where all the laser beam is on the target.

Interfaces

- Communication : Ethernet
- Video : Ethernet, PAL

Power Properties

- Match : STANAG 1008

Mechanical Properties

- Total Weight (kg)
 - EO Unit : ≤ 108
 - Power Unit : ≤ 10

Environmental Conditions

- MIL-STD-810g W/Change 1
- MIL-STD-461F

AKREP EO Properties

MWIR Thermal Camera	Wave Length: 3-5 μ m
	Wide Perspective, angle of vision: 13,5°
	Middle Perspective, angle of vision: 6,4°
	Narrow Perspective, angle of vision: 2°
	The Most Narrow Perspective, angle of vision: 1°
	Sensor Resolution: 640x512
	Numerical Magnification: 2x.4x
	Focus: Automatic and manual
TV Camera	Sensor Resolution : CCD
	The Most Wide Perspective, angle of vision: 30°
	Wide Perspective, angle of vision: 13.5°
	Middle Perspective, angle of vision: 6.4°
	Narrow Perspective, angle of vision: 2°
	The Most Narrow Perspective, angle of vision: 1° (with numerical magnification)
	Focus: Automatic and manual
	Sensor Resolution : 1920x1080
Spotter Camera	Numerical Magnification : 2x.4x
	Sensor Resolution: CCD
	Perspective: 0.5°
	Focus: Manuel

