

MARTI KARA

EO RECONNAISSANCE AND SURVEILLANCE SYSTEM

UNCOOLED LWIR THERMAL CAMERA

DAY CAMERA

COMPACT STABILIZED PLATFORM

OPTIONAL LASER RANGE FINDER/LED SPOT ILLUMINATOR





MARTI KARA

EO RECONNAISSANCE AND SURVEILLANCE SYSTEM

Applications

- Tactical Armored Vehicles
- Short/Mid. Range Reconnaissance
- Close Area Surveillance

Main Features

- Compact and Light-Weight System
- Uncooled IR Camera
- Colour TV Camera
- Eye-Safe Laser Range Finder (Optional)
- LED Spot Illuminator (Optional)
- Digital Image Processing/Enhancement
- Gyroscopic Stabilization

Environmental Conditions

Operating Temp.	: -32°C/+50°C
Storage Temp.	: -40°C/+63°C

Optional Accessories

- Monitor and Control Unit

Technical Specifications

System Type	: Gyroscopic Stabilization
Gimbal Dimen.	: 20 cm Dia. x 32 cm Height
Gimbal Weight	: 13 kg (max.)

Thermal Camera

Sensor Type	: 640x480 Microbolometer
Wave Length	: 8-14 µm
Digital Zoom	: 4x
Optical Zoom	: 4x Cont. (60mm/15mm)
Wide FOV	: 45.0° (Horizontal)
Narrow FOV	: 10.4° (Horizontal)

Day TV

Sensor Type	: 1/2.8" CMOS
Resolution	: 640x480
Digital Zoom	: 4x
Optical Zoom	: 50x Cont.
Wide FOV	: 45° Horizontal
Narrow FOV	: 0.86° (Horizontal)

Laser Range Finder (Optional)

Laser Class	: Class-I, 1550 nm
Range	: 2 km

LED Spot Illuminator (Optional)

Spectral Band	: Visible (6500°K)
Spot Size	: 10°
Max. Power	: 1500 lm

Gimbal

Azimuth	: 360° Cont.
Elevation	: +85°/-15°

Interface

Video Output	: Analog PAL or Ethernet
Communication	: Ethernet, RS422
Input Voltage	: 24 VDC (25 $\pm$ 7 VDC)
Power Cons.	: 80 W Nomin., 200 W Max.

