

Stabilized Panoramic Observation and Targeting System



- Multi-purpose sensor head
- n x 360 degrees
- Large elevation range
- 3 integrated sensors:
 - Thermal camera
 - Day sight CCD Camera
 - Laser rangefinder
- High accuracy
- Ruggedized platform
- User-friendly operation
- Compact and lightweight design



We make it visible.

General

The stabilized panoramic observation and targeting system is a ruggedized platform which accommodates up to 3 different sensors, such as an infrared camera (IR), day sight CCD zoom camera and laser range finder (LRF).

The platform is designed to be used in tanks, any kind of vehicles and air defense systems.

Options

- Day sight high resolution camera (2 megapixels)
- High resolution multisync. display
- IR Camera
 - MW 3-5 μm
 - High resolution detector 640 x 480 pixels
- Armored cover
- Elevation range up to 80°

Technical Data

Platform

Elevation Range	-15 to +45	degrees
Azimuth Range	n x 360	degrees
Slew Rate min	0.2mrad/s	(Azimuth)
	0.2mrad/s	(Elevation)
Slew Rate max	1 rad/s	(Elevation)
	1 rad/s	(Azimuth)
Stabilization Error	< 40 μrad	(1 σ)
System Weight	55 kg	
Overall Dimensions	500 x 410 x 380 mm	

Infrared Camera Attica

Wavelength	7-9 μm
Detector	CMT 384 x 288
Resolution	768 x 576 (2 x 2 $\mu\text{-Scan}$)
Cool-down Time	< 7 min @ 20 °C
Fields of view*	
NFOV	2.1° x 2.8°
WFOV	5.4° x 7.2°
LFOV	16.6° x 22.2°

Laser Range Finder LDM 38

Wavelength	1570 nm
Range	200 m to 40,000 m
Type	Nd:YAG, OPO shifted
Accuracy	+/- 5m
Laser Class	1M (IEC60825/2001)

Day Sight Camera

Optics	Continuous Zoom
Focus Range	5m to ∞
Dynamic Range	1 to 150 000 Lux
Fields of view*	
NFOV	2.1° x 2.8°
WFOV	5.4° x 7.2°
LFOV	16.6° x 22.2°

Electronics and Interface

Power	18-32 V
Integrated Graphic Overlay	Display of customer defined graphics
Interface	CAN-Open

* Other Fields of view are also available

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