

GUARD

DAY & NIGHT OPTICAL SURVEILLANCE SYSTEM



GENERAL FEATURES

GUARD is a high-performance, multi-sensor electro-optical surveillance and targeting system developed for fixed platforms. Thanks to its automatic target detection and moving target tracking capabilities, it ensures continuous and precise monitoring; it is highly suitable for long-duration, wide-area surveillance and threat assessment missions.

The system integrates advanced sensors such as a cooled MWIR thermal camera, SWIR camera, low-light day camera, laser rangefinder and pointer, GPS, and an electronic compass. Supported by AI-based target recognition, classification, and anomaly detection, GUARD provides accurate coordinate data and enhanced situational awareness, offering an effective solution for the protection of critical infrastructure, military bases, and border areas.

SPEC SUMMARY

	THERMAL (Cooled)	DAY CAMERA (Low Light)	SWIR
Usage	Pan-Tilt		
Spectral Band	3-5μm	0.4-1.1μm	0.9-1.7μm
Field of View	N: 1.2° x 1° W: 21.7° x 17.5°	N: 1.9° x 1° W: 62° x 37.4°	N: 5.5° x 4.4° W: 27° x 21°
Optical Magnification	18X Continuous	37X Continuous	5X Continuous



*These calculations have been performed according to the Johnson criteria. Actual performance may vary depending on atmospheric conditions, temperature, humidity, fog, precipitation and other environmental factors.
*A tolerance of ±10% applies to all parameters.