

SEG14

Long Range Triple Channel (EO-LWIR-LRF) Stabilized Gimbal

Long-range thermal imager with optical zoom and 32 km laser range finder for precision targeting, surveillance and intelligence gathering

APPLICATIONS

Border · Armored · UGV · Targeting · Radar · Comms mast

SHOWN AT SAHA 2026, on a mast above a tracked UGV

QUALIFIED TO **MIL-STD-810G · MIL-STD-461G**

DETECTOR	THERMAL ZOOM	EO OPTICAL ZOOM	RANGING SCOPE	WEIGHT
1.280 × 1.024 px	3,2×	30×	5-32.000 m	8,0 kg

MAIN FEATURES

Long-Range Multi-Sensor Gimbal

A **1920 × 1080 30×** day camera, a **1280 × 1024** LWIR thermal imager with continuous optical zoom and a **32 km** laser range finder in one stabilized unit.

Precision Targeting

Brushless servo drives and dual-loop stabilization deliver **±0,01°** pointing for target designation and intelligence gathering.

STANDARD CONFIGURATION

SEG14-L1203X-E1930X-LR32 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Pan and Tilt – Nominal Speed	**180 °/s**
Pan – Axis Range	**360° continuous**
Tilt – Axis Range	**±45°**
Weight	**8,0 kg**
THERMAL IMAGER MODULE	
Detector	**1.280 × 1.024 px**
NETD	**30 mK**
Detection – Vehicle	**11,5 km**

EO CAMERA MODULE	
Resolution	**1.920 × 1.080 px**
EO Horizontal Field of View	**63,7-2,3°**
Detection – Vehicle	**13,0 km**
ELECTRICAL & INTERFACE	
Power Consumption (Max)	**150 W**
Operating Voltage	**18-32 VDC**
MECHANICAL DATA	
Width	**325 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 11**

PART NUMBER	**SEG14 – [thermal imager] – [EO camera] – [range finder] – [options]** · 3 build combinations
STEP 1 · THERMAL IMAGER MODULE	3 codes · Detector 640 × 512 px – 1.280 × 1.024 px · NETD 30-50 mK
OPTIONS	**LCKT** Lens Cleaning Kit **LG##** Label Language