

SEG12

Triple Channel (EO-LWIR-LRF) Compact Gimbal

Ultra-compact, low cost of ownership multi-sensor gimbal for unmanned ground vehicles and EO/IR defense surveillance

APPLICATIONS

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

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

DETECTOR	EO OPTICAL ZOOM	RANGING SCOPE	NOMINAL SPEED	WEIGHT
640 × 512 px	30×	5-5.000 m	180 °/s	4,6 kg

MAIN FEATURES

Three Channels, One Gimbal

Day camera, LWIR thermal imager and laser range finder acquire data and accept commands at the same time through a single interface.

Low Cost of Ownership

Uncooled thermal technology gives a long MTBF with no cool-down time, no consumables and no scheduled maintenance.

STANDARD CONFIGURATION

SEG12-L0625-E1930X-LR05 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Pan and Tilt – Nominal Speed	**180 °/s**
Pan – Axis Range	**360° continuous**
Tilt – Axis Range	**±45°**
Weight	**4,6 kg**
THERMAL IMAGER MODULE	
Detector	**640 × 512 px**
NETD	**50 mK**
Detection – Vehicle	**3,2 km**

EO CAMERA MODULE	
Resolution	**1.920 × 1.080 px**
EO Optical Zoom	**30×**
EO Horizontal Field of View	**63,7-2,3°**
Detection – Vehicle	**13,0 km**
LASER RANGE FINDER	
Ranging Scope	**5-5.000 m**
ELECTRICAL & INTERFACE	
Power Consumption (Max)	**150 W**
Operating Voltage	**18-32 VDC**
MECHANICAL DATA	
Diameter	**160 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 07**

PART NUMBER	**SEG12 – [thermal imager] – [EO camera] – [range finder] – [options]** · 1 build combination
OPTIONS	**LCKT** Lens Cleaning Kit **LG##** Label Language