

SEB20

Quad Channel (EO-MWIR-LRF-LD) Targeting Sight

Multi-channel thermal imager with laser designator for weapon systems, main battle tanks and long-range surveillance

APPLICATIONS

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

QUALIFIED TO **MIL-STD-810G** · **MIL-STD-461G** · Environmental qualification campaign completed in June 2026

DETECTOR	THERMAL ZOOM	EO OPTICAL ZOOM	RANGING SCOPE	OUTPUT ENERGY	WEIGHT
1.280 × 1.024 px	20×	50×	5-32.000 m	50 mJ	18,4 kg

MAIN FEATURES

Quad-Channel Targeting Sight

A **50×** day camera, a **1280 × 1024** MWIR thermal imager, a **32 km** laser range finder and a laser designator work together for acquisition, ranging and guidance in one sight.

Weapon-Station Accuracy

Better than **100 µrad** (≈ **0,006°**) positioning accuracy with a positioner, using fiber-gyro and encoder based dual-loop stabilization.

STANDARD CONFIGURATION

SEB20-M1220X-E1950X-LR32-LD50 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Accuracy	**0,05°**
THERMAL IMAGER MODULE	
NETD	**20 mK**
Detection – Vehicle	**19,9 km**
EO CAMERA MODULE	
Resolution	**1.920 × 1.080 px**
EO Horizontal Field of View	**61,9-1,3°**
Detection – Vehicle	**13,0 km**

LASER DESIGNATOR	
Wavelength	**1.064 nm**
Pulse Codes	**STANAG 3733 I & II**
ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
Power Consumption (Max)	**150 W**
MECHANICAL DATA	
Width	**325 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 16**

PART NUMBER	**SEB20 – [thermal imager] – [EO camera] – [range finder] – [designator] – [options]** · 18 build combinations
STEP 1 · THERMAL IMAGER MODULE	6 codes · Detector 640 × 512 px – 1.280 × 1.024 px · NETD 15-50 mK
STEP 2 · EO CAMERA MODULE	3 codes · Resolution 1.920 × 1.080 px · EO Optical Zoom 30×-68× · Minimum Illumination – High Sensitivity 0,001-0,01 lx
OPTIONS	**LCKT** Lens Cleaning Kit **LG##** Label Language