

TKN Gunner Sight Kit



Elbit Systems' Commander Sight Kit is an advanced thermal-imaging situational-awareness upgrade solution, for the TKN commander's night-vision periscope, image-intensified channel. The kit comes with an advanced 17μ 640x480 Thermal-imaging Core and a 50mm thermal lens. Especially designed for enhanced commander situational awareness in BMP and BTR armored vehicles and T55/T72 tanks, it provides outstanding video-processing capabilities in various light and weather conditions. The kit preserves a similar user interface and basic functionalities of the TKN periscope, with major improvements. The thermal channel provides enhanced local situational awareness capabilities for extreme weather and impaired visual conditions such as fog, rain and snow. Elbit Systems' technical team is in direct contact with the customer for fast and simple installation—keeping integration in-house. The customizable kit can be seamlessly integrated with a variety of tanks and has a range of options such as display monitors.



TKN Gunner Sight Kit

Key Benefits

Replaces old night-vision channel light-intensifier technology with new uncooled thermal-imaging technology, to greatly enhance commander vision in BMP's, BTR's and T55's.

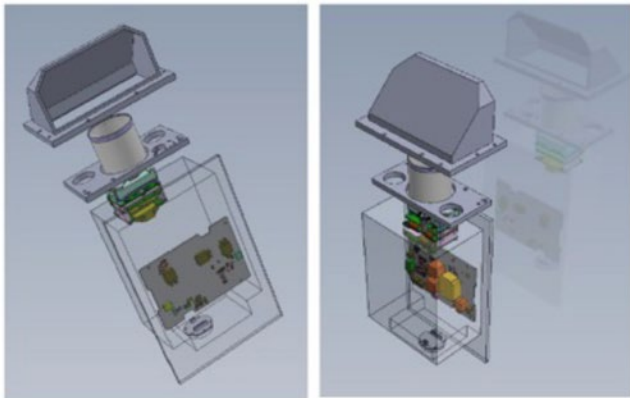
Enhanced Vision for Improved Operation

The new thermal-imaging channel provides better local situational awareness and enhanced vision capabilities for commanders in all weather conditions.

Keeps Integration Local

Ready-to-install thermal imaging sight kit with a variety of easily customizable options, keeping integration work local for in-house upgrades.

System Parts



System Specifications

Features	Description / Performance	
Thermal Image Resolution	640x480	
Detector FPA Pitch	17 μ	
Sensitivity NETD (F#1, 25°C)	<30mK	<50mK
FPA Material	ASi or VOx	
Athermal Lens	50mm	
FOV	HFOV 12.4 degrees, VFOV 9.3 degrees	
NATO Target* D/R/I	3400m / 1200m / 700m	
Human Target* D/R/I	1400m / 465m / 280m	
Video Output	PAL/NTSC	
Digital Zoom (steps of 0.1/1)	x1 to x7	
Power Consumption	< 1.5W	

Key Features

- 640x480 17 μ IR Core
- Upgraded Periscope (New mirror and windows)
- 50mm Athermal Lens
- MIL-STD 1275 Protected
- OLED Eyepiece
- ITAR Free

Optional

- 7" Display Screen
- Video Recording
- ASi or Vox



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