



TÜBİTAK
BİLGEM



OCİT-T

PORTABLE OPTICAL SCOPE DETECTION SYSTEM (OSDS-P)



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The Optical Scope Detection System **actively illuminates** areas of potential threats using an **infrared laser** and detects threats by analyzing **retro-reflective returns** from optical sighting systems. The system is capable of identifying the presence of a threat, determining its location, and alerting the operator. The portable system is **battery-powered**, offering enhanced **operational flexibility**.

The system integrates advanced **image processing and artificial intelligence algorithms** to support **ISR (Intelligence, Surveillance, Reconnaissance)** missions, achieving over **95% detection accuracy** while minimizing false alarm rates and enhancing operational reliability. Supports **both autonomous and operator-controlled scanning modes** for **wide-area surveillance**, enabling rapid adaptation to diverse mission profiles



Laser Illuminator	
Wavelength	Infrared
Optical Power	> 50 W
Beam Divergence	> 2 mrad
Imaging	
Camera	NIR, Monochrome, 1,3 Mpixel
Zoom	50x, f=500mm, 0,8° (H)
Pan-Tilt	
Pan Angle	nx360°
Tilt Angle	-20° / +20°
Electrical	
Power Source	Battery (28 VDC)
Capacity	280 Wh x 2 pcs
Physical Dimensions & Weight	
Payload	27 cm x 33 cm x 41 cm 17 kg
Total (Except Cables)	29 kg
Performance	
Night Vision	1500 m
Binoculars (7x50)	2500 m
Sniper Scope (3-12x50)	14000 m
ATGM Type-1	3000 m
ATGM Type-2	6000 m
ATGM Type-3	5500 m
Environmental Tests	
Compatible with MIL-STD-810G and MIL-STD-461G	

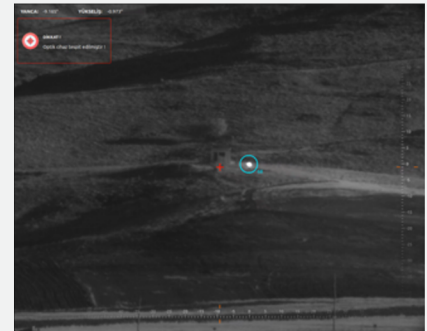
ATGM Type-2 @ 6000 m



A sniper scope positioned inside a vehicle, behind glass @ 5500 m



Sniper Scope @ 14000 m



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