

SADAS | DS-T13



Armored Vehicle Periscope Systems

#Drive&FireSupportSystems



NEW GENERATION
RUGGED DESIGN

aselsansivas

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Armored Vehicle Periscope Systems

Observation Flat Periscopes are designed to enable safe external viewing from within armored vehicles or to fulfill specific mission requirements. Their viewing angles and dimensions are modularly engineered according to the vehicle's dynamics and the operator's needs.

Leveraging our extensive experience in optics and opto-mechanics, we produce both glass and acrylic periscope designs tailored to the structure of any armored vehicle. Using advanced military-grade optical elements and adhesives that provide superior climate resistance, we deliver high-quality solutions that meet demanding weight and performance requirements while offering exceptional optical clarity and long operational lifespan.

All of our periscopes have been extensively tested and are actively used by domestic and international armored vehicle manufacturers, as well as on the Altay tank and various combat platforms across diverse climate conditions. In line with our continuous development efforts, we are also working on next-generation periscopes incorporating ceramic materials to achieve even lower weight and enhanced protection levels.

General Specifications

Laser Protection Filters: Various laser protection filter options that guarantee ideal light transmission while effectively filtering specific laser wavelengths, tailored for real battlefield conditions or maximum laser safety.

Window Heaters: Anti-condensation and anti-icing window heating systems to ensure clear vision in cold, humid, or extreme weather conditions.

Water Ingress Protection Systems: Advanced sealing systems that prevent water entry into the vehicle interior, maintaining operational integrity in all environments.

Protective Covers: Metal or fabric protective covers, as well as blackout covers, for enhanced safety and operational security.

Ballistic Protection Options: Custom ballistic protection levels to meet required threat specifications.

CBRN Protection: Chemical, Biological, Radiological, and Nuclear (CBRN) protection solutions for maximum crew safety in contaminated environments.

Foldable Mirror Versions: Collapsible mirror options for flexible integration and space optimization inside the vehicle.

EMI / RFI Protection: Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) shielding filter options for protection against electronic warfare threats.

Technical Specifications

- Dimensions : 482 x 108 x 265.2 mm
- Angle : Horizontal: 112.5° / Vertical: 21.25°
- Coverage Angle : Horizontal: 164° / Vertical: 344.25°
- Laser Protection : 1064 nm OD 5
- Material : Optical Glass / Aluminum / Steel
- Ballistic Protection : Level 4 - STANAG 4569
- Weight : 211 kg
- Vibration Resistance : Method 401 of the AECTP-400 standard
- Shock Resistance : 30 g ± 3 g için 11±1.1 ms



Specifications are subject to change without any notice. | All tolerances are within ±10%.