

SADAS | FS-M28



Armored Vehicle Periscope Systems

#Drive&FireSupportSystems



NEW GENERATION
5X MAGNIFICATION
LIGHT & ERGONOMIC
RUGGED DESIGN

aselsansivas

www.aselsansivas.com

Armored Vehicle Periscope Systems

Observation flat periscopes are designed to provide safe external viewing and situational awareness from inside armored vehicles, with modular viewing angles and dimensions tailored to the vehicle's dynamics and specific mission requirements.

Leveraging our deep expertise in optics and opto-mechanics, we offer both glass and acrylic periscope designs customized to fit any armored vehicle structure. Manufactured using advanced military-standard optical components and high-performance adhesives, our periscopes deliver superior climate resistance, excellent optical performance, and an impressive operational lifespan.

The M28 Periscope is specifically developed for aiming and firing machine guns from armored vehicles, as well as for general observation tasks. It can be operated both manually and electrically, allowing seamless integration with the turret or weapon system. Classified as a backup periscope, the M28 is primarily used for direct visual engagement when the main electro-optical systems are unavailable, during power loss (such as a depleted battery), or in silent mode operations where vehicle electricity cannot be used. It enables the crew to maintain accurate aiming and firing capability even in complete power-off situations.

All of our periscopes, including the M28, have been extensively tested and are in active service with domestic and international armored vehicle manufacturers, as well as on the Altay tank and various combat platforms in diverse climatic conditions worldwide.

In line with our continuous improvement efforts, we are also developing next-generation periscopes incorporating advanced materials such as ceramics to achieve reduced weight and increased 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

Technical Specifications

- Dimensions : 154 x 580 x 150 mm
- Angle : H:10° / V:10°
- Barrel Mobility : -15° / +60° horizontally
- Laser Protection : Can be provided according to request,
- Material : Optical Glass / Aluminum
- Ballistic Protection : Can be provided according to request,
- Weight : 4,2 Kg.
- Vibration Resistance : Method 401 of the AECTP-400 standard
- Shock resistance : 11±1.1 ms for 30 g±3 g
- Mains Lighting : 3-position and shuts off after 30 minutes, can be adjusted at will,



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