

www.fnss.com.tr



***FNSS***



# ARCT

ANTI-TANK REMOTE CONTROLLED TURRET

## **ARCT ANTI-TANK REMOTE CONTROLLED TURRET**

### **KEY FEATURES**

- Suitable for Installation on Wheeled or Tracked Armored Fighting Vehicles
- Highly Effective Weapon System for Multiple Threat Scenarios
- Stabilized Sight Systems with Advanced Fire Control
- All Around Armor Protection
- Low Weight
- Low Silhouette
- Smart Power Distribution System





## OVERVIEW

***Anti-Tank Remote Controlled Turret (ARCT), can be integrated on wheeled and tracked armored vehicles. The turret is offered in two configurations with respect to the use of anti-tank guided missiles. Thanks to the Anti-Tank Remote Controlled Tower, the gunner can perform surveillance, target detection, identification, recognition, lock-on and missile guidance functions through the control console under ballistic protection in the vehicle.***

ARCT system ensures that the Kornet and Mizrak missiles can be effectively used on the armored carrier platform within their maximum effective range. With its modular architecture, it enables the easy integration of different anti-tank weapons.

Unlike conventional gun turrets, remote control turrets do not require a basket structure. Consequently, more interior space is available in the vehicle.

The turret incorporates the latest technologies in turret drives, fire control, protection and lethality; it can operate night and day, under all weather conditions thanks to its integrated electro-optical sensors. Thanks to its compact size and low weight, it can be integrated into many different types of armored vehicles.

The turret can be equipped with a variety of anti tank guided missiles as main armament. Along with the missiles, one coaxial 7.62 mm machine gun increases the firepower of the turret as a secondary armament and expands its field of duty.

The secondary armament's functions, such as re-arming, firing, electrical extraction of empty cartridges are performed automatically from inside the vehicle.

The turret drive system is electrical with two axis stabilization capability to ensure a high accuracy of fire on the move. The turret can rotate around traverse axis 360 degrees continuously and  $\pm 25$  degrees around elevation axis.

Thanks to its two-axes stabilized sight system which consists of thermal imager, TV camera and laser range finder, the Anti-Tank Remote Controlled Turret has an advanced fire control ability. The system can generate a ballistic solution for moving targets and ensures a more effective ammunition utilization.

Thanks to the independent power supply and distribution system of the turret; the servo drive, firing and sight systems can also be used even when the vehicle battery is off.

# ARCT

## ANTI-TANK REMOTE CONTROLLED TURRET

### ARCT TECHNICAL SPECIFICATIONS

Data subject to change without notice.

#### MAIN ARMAMENT

Type / Caliber	KORNET-E Anti-tank missile (2 units) or MIZRAK-O Anti-tank missile (2 units)
----------------	--

#### SECONDARY ARMAMENT

Type / Caliber	7.62 mm Machine Gun
Ready Rounds	500 units

#### GUN/TURRET DRIVE SYSTEM

Type	Electric Drive with Two Axis Stabilization
Traverse	360° Continuous
Elevation	-25° to +25°
Top Speed	>60°/sec, Traverse & Elevation
Tracking Rate	0.3 mil/sec
Deck Clearance	Automatic & Programmable

#### SIGHT SYSTEM

Gunner's Sight	Mid Wave or Long Wave Thermal Image Day Camera Laser Range Finder with 10.000 m Range
----------------	---

#### FIRE CONTROL SYSTEM

Fire Control Computer	Automatic Super-Elevation & Lead Angle Computation
-----------------------	--

#### DIMENSIONS & WEIGHT

Turret Weight	<600 kg
Ring Gear Diameter	0.8 m