DESCRIPTION

The UT30BR system was designed to meet a range of requirements, offering superior performance in many combat conditions. Using the latest technology, the UT30BR system is the result of 30 years experience in development of fire systems, acquisition and automatic tracking of targets in gyro-stabilized platforms.

FEATURES

- Light turret, unmanned, retractable, and ideal for use in rapid deployment forces, including air transport type C130
- Armed with an automatic 30mm cannon and equipped with a coaxial machine gun caliber 7.62mm and smoke grenades launchers
- Allows integration with anti-tank missiles, among others
- Two autonomous systems of day and night observation, one for the commander and one for the shooter, stabilized in 2 axes
- Monitoring system of direction and control of fire, allowing high-precision shots during the movement (continuous, intermittent or burst), with ammo counter
- It also has modular armor protection OTAN standard STANAG 4569 level 2, expandable to 4, distributed throughout the turret, including the observation system commander, shooter sights and ammunition
- Has a warning system laser against external threats
- Has an automatic monitoring system of targets
- It is mounted on the roof of the vehicle without taking up space inside, providing greater safety for the crew
ADVANTAGES
- Program underway for the Brazilian Army
- System under nationalization process ensuring technical and logistics support in Brazil
- Compatible with many types of tanks, armored vehicles and Navy ships
- Solid experience in supplying weapons systems
- Fully integrated electro-optical system
- Meets the requirements of several military standards (MIL-STD)

SPECIFICATIONS

WEAPONS AND AMMUNITION
Cannon
ATK Bushmaster Mk44 of 30mm
Munitions AP, TP and HE
200 shots /min

Machine-gun
MAG 7.62mm coaxial

PROTECTION SYSTEMS
Ballistic Protection
STANAG 4569 nível - 2, 3 or 4

Smoke grenades launcher
8 smoke grenades launchers tubes of 76mm

Laser Detection Unit
Detects and locate with accuracy laser light points that may pose threats

TURRET
Horizontal and Vertical drive
N x 360°
Range in azimuth
- 12° a + 60°
Stabilization
Type
Stabilized spin in two axes (azimuth and elevation)

Precision stabilization of the firing line
< 0.35 mRad 1σ (in both axes)

WORK STATION
Shooter Station
Monitor
Lever and keys
LCD 10.4", resolution of 1024 x 768 pixels

Commander Station (opcional)
Monitor
Ergonomic with the main accessible controls

Handle and keys
LCD 10.4", resolução de 1024 x 768 pixels
Ergonomic with the main accessible controls

SENSORS
Optroic unit Shooter
Daytime Camera
Optical Magnification >15X, continuous
Wide field of view: 65°

Thermal Camera
Narrow field of view: 3.1°
Cooled thermal sensor
Wavelengths de 3 a 5 μm
Wide field of view: 6° x 4.8°

Laser rangefinder
Narrow field of view: 2° x 1.6°
Mode PI

Optronic unit of the commander
Daytime Camera
10 pulse/min

Thermal Camera
Same Camera of the optronic unit of the shooter

OTHER CAPABILITIES
Automatic tracking of targets (autotracking)
Capabilitie Hunter/kill

MILITARY STANDARDS
Environmental conditions
Electromagnetic compatibility
MIL-STD-810
MIL-STD-461