



SHORT RANGE TACTICAL RADAR THALES GROUND SMARTER 40



The Thales GS-40 short-range tactical radar is designed to perform air space surveillance tasks and to detect targets with a small reflective surface in all weather conditions. Thales GS-40 is a multipurpose radar with a wide range of applications, such as:

- Observation and monitoring of targets in the immediate surrounding
- Detection and tracking of small reflecting surface targets (micro DPV – C-UAV)
- Detection of enemy artillery fire at close range with calculation of launch and fall point of ballistic missiles/rockets/shells
- Observation in motion for the protection of troops during the march
- High precision target tracking for artillery rocket weapon systems guidance, for short-range anti-aircraft purpose

TECHNICAL CHARACTERISTICS:

Frequency range and operating mode: X band / FMCW / AESA;
Instrumental detection distance: ≤ 150 km depending on the operating mode;
Instrumental detection height: ≤ 10 km depending on the operating mode;
Rotation speed: up to 60 rpm depending on the operating mode;
Tracking capacity: up to 400 targets simultaneously;
Classification of targets: automatic use of artificial intelligence algorithms (DPV, helicopter, LBA, missile);
System consumption: < 10 k W;
Basic purpose: protection of troops during the march and artillery rocket weapon systems guidance, for short-range anti-aircraft purpose;
Integration on a high degree ballistic protection vehicle.