



# UMBRELLA

## Anti-Aircraft System

The UMBRELLA Anti-Aircraft system is dedicated for fighting low-altitude flying airborne targets (fixed or rotary-wing) as well as lightweight armored ground and naval surface targets, day and night, all weather. The UMBRELLA makes use of gun or gun/missile anti-aircraft sets with MANPADS-class missiles (GROM or STRELA-2M).



### Advantages:

- high fire effectiveness resulting from centralized, automated, precise individual aiming each gun separately
- early warning and effective fighting
- hidden operation
- short deployment time
- high mobility

The command vehicle is furnished with equipment designed to detect and track the targets, to control a battery of guns and to co-operate with superordinate command post as well as with remote radars. Anti-aircraft guns of various calibers (23, 35 or 57 mm), or gun/missile anti-aircraft VSHORAD systems can be applied.

Autonomous detection and tracking of targets is provided with use of integrated optoelectronic sensor head which consists of a FLIR camera, a CCTV camera, a laser range-finder and an IFF interrogator.

The system is powered by an auxiliary 20 kW power unit which is towed by the Command Vehicle on a single-axle trailer.

Characteristics	
Detection range at fighter-size target	10 km
Fire range	as the fire means
System reaction time	10 s

