

## WG-35 Fire Control Vehicle

The **WG-35 Fire Control Vehicle**, jointly with its integrated tracking head and its software is an element of the VSHORAD anti-aircraft battery.

**WG-35** receives preliminary information on the air picture from the superordinate command level or a local radar, and subsequently intercept and tracks the target with use of the optoelectronic tracking head and the videotracker.

As the fire means, typically the 35mm guns can be employed. The **WG-35** can configurate a single aiming channel (effector) of high fire power and accuracy, composed of several (up to 8) A-35 guns, operated jointly and in automatic mode.



### Advantages:

- significantly increased the fire effectiveness
- capability of advanced cooperation with the system environment providing the combat field situational awareness
- open software architecture
- standardized software
- high mobility and short time of deployment

The basic functionality of the **WG-35** Fire Control Vehicle is accomplished by its command subsystem connected by the communication and data exchange system with guns and superordinate command level. For tracking the target, a multisensor optoelectronic head and a videotracker are responsible.

The tracking head has its own subsystem of precise controlling the azimuth and elevation drives.

The **WG-35** vehicle is equipped with a remote observation post to provide setting the head on the target. The post is connected with a fiber optic link.

A registration means and meteo station are included.

Characteristics	
Number of fire means	8 (for example, two AG-35 guns and six A-35 guns)
Integrated tracking head	IKZ-02 short range IFF interrogator
	<b>Laser range finder</b> – operation wavelength 1570 nm – max measurement repetition 20 Hz – range min 200, maks 30 000 m
	<b>Daylight tv camera</b> – operation wavelength 350 - 700 nm – sight field: large 8.5°; narrow 2,1° – range: visibility 18 km, detection 10 km, recognition 8.5 km
	<b>Thermovision camera</b> – operation wavelength 3 - 5 $\mu\text{m}$ – sight field: large 12° x 8°; narrow 2.5°x1.67° – range: detection 25/9.5 km, recognition 3.9 km

