Artillery Reconnaissance Vehicle

EQUIPMENT

Basic equipment of the ARV includes equipment being part of the On-Board and Portable Observation and Reconnaissance Sets (PZOR and WZOR), designed to source information for target identification, target localization and preparation of firing data for support company, artillery battery or artillery battalion.

PZOR is comprised of a tactical battlefield radar and optoelectronic head (CCD, LLTV and IR cameras, laser rangefinder) installed on remotely controlled 4m high mast. WZOR is equipped with artillery rangefinding and reconnaissance instruments (CCD and IR cameras, laser rangefinder) and instruments for data exchange and audio communication with ARV by means of radio and wired connection.

ARV is equipped with three workstations – (1) commander, (2) head operator-recon and (3) radar operator-recon. Fire Control System software makes it possible to integrate reconnaissance subsystems and ICT equipment and software of AVR is fully integrated with automated FCS TOPAZ, which allows for wired and radio data exchange and audio communication with artillery command post on tactical level. Data exchange and audio communication system is based on FONET intercom.

DESIGNATION

Artillery Reconnaissance Vehicle is designed to provide ground optoelectronic reconnaissance and firing support to a company of 120 mm self-propelled mortars and other subunits of mortars and artillery. If needed, it may also be used for reconnaissance of roads, redeployment routes, areas around firing posts and organization of protection.