

SOM



Security and monitoring system

Security and monitoring system SOM is a rigorously modular system featuring open architecture enabling incorporation into superior level systems according to the customer configuration. The system comprises multispectral guarding sensors, control devices and data communication equipment. These specific system sets completed with logistic support equipment may be integrated into various types of vehicles as specified by the customer.

Purpose

The complete system is designed to guard objects of interest and to monitor areas of interest as part of fulfilling the Military Police assignments. The major purpose is the long-range areal guard of an area utilizing the integrated technical equipment; it is also applied for near guard of points of interest and intruders detection. The system is intended for deployment in the Czech Republic as well as during foreign missions of the Czech Army.



System Configuration

Type:	SOM 1	integration to LR 110 vehicle
	SOM 2	integration to LR 130 vehicle
	SOM 3	integration to T815 4x4 vehicle
	SOM 5	portable system
Control HW:	central console	display, keyboard, positioner DVR recorder GPS radio station user SW
	operator's terminal	rugged PC integrated in the case user SW
Sensors:	sensor unit	colour TV camera monochromatic TV camera IR camera laser rangefinder GPS
	Near Range Surveillance Warning System	PIR sensors IR barrier
	Short Range Surveillance Warning System	PTZ camera blocs of monochromatic TV cameras IR reflector
Transmission:	cables	metallic optical
	wireless	analogue digital
Power pack:	accumulator battery	gel, Li-pol
	power generator	compression ignition engine