EVPÚ DEFENCE

Monitoring and surveillance systems

MONITORING VEHICLE – MOBILE OFFICE

with connection to city surveillance system

Monitoring vehicle is intended for monitoring and surveillance during the day and night missions through IR camera and day HD camera in all weather conditions. Basically any electro-optical system (EOS) from our portfolio can be fitted to the vehicle. The main activities are detection, recognition and identification of persons and vehicles, capture their image, exact location, processing and electronic archiving of the image and possibility of the control and coordination of the other units at the same time.

This mobile monitoring system is ideal for police, army and other security forces usage as it allows the members of the crisis staff, police officers and other members of the Integrated Rescue System to work directly on-site of events of interest such as sport events, football matches, car races, gatherings and meetings of public.

The entire system can be remotely controlled with the information is transmitted to the control centre. At the same time, it allows displaying the images of the city surveillance system in the vehicle and thus enables police to coordinate a rapid response to any event in the area of interest effectively.

The monitoring device can be installed on any type of vehicle which has a sufficient space needed for installation. The basic outline of the vehicle remains unchanged even after complete modification. Installation is solved through the box body, where the special monitoring system is built-in, completed with thermal vision camera.

Thanks to the telescopic mast the monitoring can be performed from the height over 5 meters. Primary power source is 230 V (supply from the mains / generator). The vehicle can also use emergency battery power source in limited mode.

The vehicle perimeter is guarded by a „fisheye" camera with IR illumination for possible usage during the night missions.

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TECHNICAL SPECIFICATION of DISPLAYED EOS	
Detection	
Man (1,8 x 0,5 m)	1 km
NATO (2,3 x 2,3 m)	2,6 km
Recognition	
Man (1,8 x 0,5 m)	0,35 km
NATO (2,3 x 2,3 m)	1 km
Identification	
Man (1,8 x 0,5 m)	0,18 km
NATO (2,3 x 2,3 m)	0,5 km
Pan/Tilt parameters	
Motion range in azimuth	n x 360°
Motion range in elevation	± 70°
Speed azimuth	0.1°/s to 60°/s
Speed elevation	0.1°/s to 60°/s
Repeatable position accuracy	≤ ±2.5 mrad
Power supply	24 V DC
Payload	2 x 5 kg
Operating temp.	-40 °C to +60 °C
Weight	< 16 kg
Day camera	
Sensor	1/2,8-type Exmor R CMOS
Resolution	Full HD (1920 x 1080)
Video output	HD-SDI
Zoom	30x optical / 12x digital
Field of view	WIDE: 4,3 mm TELE: 129,0 mm
Thermovision camera	
Sensor	VOx Microbolometer
Resolution	640 × 512 PAL
Sensitivity	< 50 mK at f/1,0
Focal length	100 mm
Field of view	6.2°x 5°