



MULTISENSOR RECONNAISSANCE PLATFORM – UPAOS



UPAOS is a portable Intelligence, Surveillance and Reconnaissance (ISR) system designed for passive observing, surveying, guiding artillery fire and geo-location of moving and stationary targets in daily, night and low visibility conditions.

UPAOS FUNCTIONS

- Targets detection, identification and geo-location;
- Automatic data exchange with Army Geographic Information System;
- Enable data distribution to other networked systems;
- Guiding artillery fire;
- Stand-alone system or sensor node of an ISR Network.

SENSOR SUITE

Range DRI:	6.2/3.1/1.2km
Target location error:	25m (12m using reference object)
Video camera:	Full HD, low light, zoom x7
Optical channel:	Magnification: x7, Field of view: $\leq 7^\circ$
Thermal camera:	UFPA, resolution 800x600, continuous FOV
Laser Range Finder	Range: 10000m, Accuracy: $\pm 2m$, 6PPM
GPS/GLONASS receiver	Position Accuracy $< 2m$
Digital magnetic compass,	Heading $< 0.5^\circ rms$
Gimbal (pan/tilt)	Azimuth: n x360°, Elevation: $\pm 30^\circ$
Mass:	11,35kg
Dimensions:	450x395x200 mm

