



Multisensor Observation Unit C4I-MIP-1

C4I-MIP-1 is an optoelectronic device designed for real time observation and measuring. The multi sensor head includes both a thermal camera and a daytime camera, providing full time coverage during day, night and in conditions of low visibility. Using the inbuilt laser rangefinder, the device ensures that the user has the ability to acquire precise positional data of the selected target at any given moment. The azimuth and elevation of the sensor head are controlled via remote using a pan-tilt device.

TECHNICAL CHARACTERISTICS			
Laser type	Eye-safe	Thermal camera	DRI
Laser wavelength	1540 nm	Thermal camera detector type	Uncooled, Vox
Laser energy	≤ 8 mJ	Thermal camera resolution	800x600 pixel
Laser beam divergence	≤ 1 mrad	Thermal camera digital zoom	2X, 4X
Distance measuring range	80-5200 m	Thermal camera optical zoom	1-6X
Distance measuring accuracy	± 5 m	Digital magnetic compass	North accuracy 0,45° (8 mils)
Measured distance display	for 2 targets	Compass measuring frequency	20 measuring/s
Measured distance frequency	≥ 6 measuring/min	GPS measuring frequency	1-5/s
Data transfer	RS 232	Horizontal angle measuring accuracy	0,05°
Daytime camera optical zoom	30X	Vertical angle measuring accuracy	0,05°
Daytime camera digital zoom	16X	Positioning speed	0,001°-30°/s