

DNOU (Day-Night Observation Unit)

“DNOU (Day-Night Observation Unit) is handheld Infra Red night vision thermal imager, reliable in all conditions and developed for full situational awareness.”

Main features

- Thermal image infrared night camera channel
- Day camera channel
- Smaller, lighter and economic (power, cost, maintenance)
- Enhanced combat situational awareness
- Performance under rapidly changing mission scenarios
- Intuitive design, simple to use
- Field-proven components
- Easily integrated into hierarchy systems
- Long-range
- High digital compass accuracy
- High GPS position accuracy
- Long battery life
- Extended battery pack (optional)
- Light weight tripod (optional)
- Video output
- Digital data output RS 232

Thermal camera and Laser Rangefinder

Detector type	Uncooled, Von Microbolometer
Spectral range	8-14 μm
Resolution	640x512 pixels
Pixel size	12 μx 12 μ
Field of view	6.28°x5,0°
Digital zoom	2x, 4x, 8x
Objective diameter	54 mm
Detection range	Vehicle 2.3x2.3 m: > 6500 m Man 1.7x0.75 m: > 3300 m
Recognition range	Vehicle 2.3x2.3 m: > 6500 m Man 1.7x0.75 m: > 3300 m
Identification range	Vehicle 2.3x2.3 m: > 6500 m Man 1.7x0.75 m: > 3300 m
Laser type	Diode-pumped Solid-state Laser
Wavelength	910 nm
Range	5100 m

Digital Magnetic Compass + GPS + OLED Display Ocular

North accuracy	0,45° (8 mils)
Pitch accuracy	Measuring range <15° : 0,1° Measuring range <85° : 0,3°
Roll accuracy	Measuring range <15° : 0,1° Measuring range <85° : 0,3°
Number of channels	72
Position accuracy in horizontal plane (CEP)	<2 m*
Position accuracy in vertical plane	4 m*
Adjustable range of diopter	±4 dptr
Eye relief	20 mm
Magnification	10x
Display resolution	800x600 pixel

Daytime camera

Resolution	1920x1080
Optical zoom	Continuous from 1x up to 23x
Field of view	58° - 2,8°
Minimum illumination	0,001 Lux/F1,5

Additional specifications

Operating temperature	-25°C to +55°C
Li-ion battery	3200 mAh
Power input (external)	12-29 VDC
Interface	RS 232

