



Forward Observation Unit FOU-3

FOU-3 is an optoelectronic device used for general observation and positional awareness. It provides the user with positional data for both himself and his chosen target, using a built in laser rangefinder, personal GPS and a digital compass. The device is equipped with a daytime camera and a thermal camera in order to ensure complete day/night usability. The unit is designed to perform under harsh environmental conditions, as defined by military standards. Compared to its previous version (FOU-2), this device delivers an all-round better performance with higher customizability.

TECHNICAL CHARACTERISTICS			
Laser type	Eye-safe or Nd:Yag	Thermal camera	DRI
Laser wavelength	1540 nm or 1064 nm	Thermal camera detector type	Uncooled, Vox
Laser energy	≤ 8 mJ or ≤ 15 mJ	Thermal camera resolution	640x512 pixel
Laser beam divergence	≤ 1 mrad	Thermal camera digital zoom	2X, 4X, 8X
Distance measuring range	50-20000 m	Diopter adjustment	± 5 dptr
Distance measuring accuracy	± 2 m	Digital magnetic compass	North accuracy 0,45° (8 mils)
Measured distance display	for 2 targets	Compass measuring frequency	15 measuring/s
Measured distance frequency	≥ 6 measuring/min	GPS position accuracy	CEP50
Data transfer	RS 232	Horizontal/Vertical accuracy	SPS ≤ 5 m, SBAS ≤ 5 m
Daytime video camera	1/1.8, 16:9 CMOS	Angle measuring accuracy	≤ 1 mils
Daytime channel magnification	12X	Horizontal angle measuring range	0-6400 mils
Display	Digital TFT LCD, 3.5"	Vertical angle measuring range	± 500 mils