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FOU-3
Forward observation unit

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
• Laser wavelength	1540 nm or 1064 nm
• Laser energy	≤ 8 mJ or ≤15 mJ
• Laser beam divergence	≤ 1 mrad
• Distance measuring range	≥ 50-20000 m
• Distance measuring accuracy	±2 m
• Measured distance display	for 2 targets
• Measuring distance frequency	≥ 6 measuring/min.
• Transfer data	RS 232
• Daytime video camera	1/1.8 inch, 16:9 CMOS
• Daytime channel magnification	12x
• Display	digital TFT LCD, 3.5”
• Thermal camera	DRI
• Thermal camera detector type	uncooled, Vox
• Thermal camera resolution	640x512 pixels
• Thermal camera digital zoom	2x, 4x, 8x
• Diopter adjustment	± 5 dptr
• Digital magnetic compass	north accuracy 0,45° (8 mils)
• Compass measuring frequency	15 measuring/s
• GPS position accuracy	CEP50
• Horis./Vertic. possition accuracy	SPS ≤ 5 m, SBAS ≤ 5 m
• Angle measuring accuracy	≤1 mils
• Horizontal angle measuring range	0-6400 mils
• Vertical angle measuring range	±500 mils

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Should you have any further enquires, please do not hesitate to contact us at **office@yugoimport.com**