



01 / CAPABILITY OVERVIEW

FOU-3

FOU-3 forward observation unit



FIG 01 PRODUCT CONFIGURATION

 $\geq 50\text{-}20000\text{ m}$

DISTANCE MEASURING RANGE

 **≥ 6
measurements/min**

MEASURING DISTANCE FREQUENCY

Eye-safe or Nd:YAG

LASER TYPE

**1540 nm or 1064
nm**

LASER WAVELENGTH

01.1 / OVERVIEW

Forward observation unit with selectable eye-safe or Nd:YAG rangefinder, 12x day camera, thermal camera, GPS and digital compass.

TYPE

Observation device

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

FOU-3 / TECHNICAL EQUIPMENT

PERFORMANCE

Distance measuring range	$\geq 50\text{-}20000\text{ m}$
Measuring distance frequency	$\geq 6\text{ measurements/min}$
Angle measuring range	$0\text{-}6400\text{ mils horizontal; } \pm 500\text{ mils vertical}$

PHYSICAL DATA

Laser wavelength	$1540\text{ nm or } 1064\text{ nm}$
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ADDITIONAL TECHNICAL DATA

Laser type	Eye-safe or Nd:YAG
Laser energy	$\leq 8\text{ mJ or } \leq 15\text{ mJ}$
Laser beam divergence	$\leq 1\text{ mrad}$
Distance measuring accuracy	$\pm 2\text{ m}$
Daytime video camera	$1/1.8\text{ in } 16:9\text{ CMOS, } 12\times\text{ magnification}$
Thermal camera	Uncooled VOx, $640\times 512\text{ pixels, digital zoom } 2\times/4\times/8\times$
Display	Digital TFT LCD, 3.5 in
Digital magnetic compass	North accuracy $0.45\text{ deg (8 mils), } 15\text{ measurements/s}$
GPS position accuracy	CEP50; SPS $\leq 5\text{ m, SBAS } \leq 5\text{ m}$
Angle measuring accuracy	$\leq 1\text{ mil}$



CONFIGURATION VIEWS

FOU-3 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / front optics side

