



01 / CAPABILITY OVERVIEW

UPAOS

UPAOS artillery electronic goniometer



FIG 01 PRODUCT CONFIGURATION

 $\geq 60-10000$ m

DISTANCE MEASURING RANGE

 **≥ 6
measurements/min**

MEASURING DISTANCE FREQUENCY

Class 1 (IEC 60825)

LASER TYPE

1540 nm

LASER WAVELENGTH

01.1 / OVERVIEW

Nitrogen-filled optoelectronic observation and measuring device determining azimuth, elevation and range to targets as a subsystem of a fire control system.

TYPE

Fire control & survey

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

UPAOS / TECHNICAL EQUIPMENT

PERFORMANCE

Distance measuring range	$\geq 60\text{-}10000\text{ m}$
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 nm
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ADDITIONAL TECHNICAL DATA

Laser type	Class 1 (IEC 60825)
Laser energy	$\leq 8\text{ mJ}$
Laser beam divergence	1 mrad
Distance measuring accuracy	$\pm 5\text{ m}$
Day video camera	Zoom $12\times \pm 10\%$
Thermal camera	Uncooled VOx, $800\times 600\text{ pixels}$, $1\text{-}8\times\text{ optical}$ and $2\times/4\times\text{ digital zoom}$
Digital magnetic compass	North accuracy 0.45 deg (8 mils), 15 measurements/s
GPS position accuracy	CEP50; SPS $\leq 5\text{ m}$, SBAS $\leq 5\text{ m}$
Display	$3.5\text{ in digital TFT LCD; OLED ocular } 10\times \pm 10\%$
Angle measuring accuracy	$\leq 1\text{ mil in horizontal and vertical plane}$