

8-INCH ISTAR PAYLOAD

eOpic 8 ISTAR



Dual-axis gyro stabilized electro-optical system with NATO STANAG 3733 compatible laser target designator for ISTAR missions on UAS and manned aircraft systems.

KEY FEATURES



Laser Target
Designator
STANAG 3733
compliant



Laser Range
Finder



Fully featured
mission software



STANAG 4609



Geo-
referenced
imagery



36x zoom
visible camera



Continuous zoom
MWIR thermal
imager

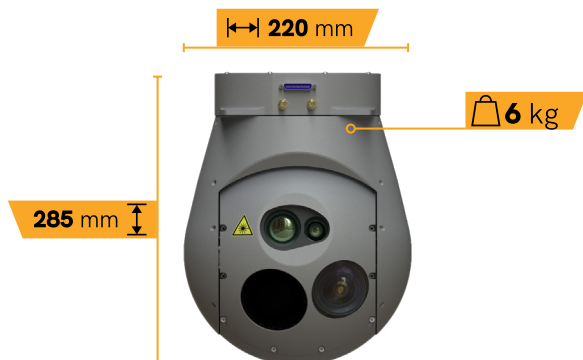


Integrated dual
channel INS



Automatic
target tracking

TECHNICAL SPECIFICATIONS



LASER TARGET DESIGNATOR

WAVELENGTH	1064 nm
POWER	50 mJ or 70 mJ
REPETITION RATE	8 - 22 Hz
DIVERGENCE	≤0.4mrad
CODE COMPATIBILITY	STANAG 3733 or user defined

VISIBLE CAMERA

TYPE	FullHD
RESOLUTION	1920 × 1080 p
FIELD OF VIEW	52° - 1.9°
ZOOM	36x optical zoom, 3x digital zoom
DRI HUMAN	14 km / 6 km / 2.5 km
DRI VEHICLE	22 km / 12 km / 6 km

THERMAL IMAGER

TYPE	MWIR
RESOLUTION	640 × 512 p
FIELD OF VIEW	20° - 1.6°
ZOOM	13x optical zoom, 3x digital zoom
DRI HUMAN	9.6 km / 2.7 km / 1.7 km
DRI VEHICLE	16.4 km / 6 km / 4 km

LASER RANGE FINDER

WAVELENGTH	1572 nm
LASER CLASS	IEC 60825-1 Class I
PULSE RATE	1 - 10 Hz
RANGE LIMITS	± 5 m
ACCURACY	2 m

VIDEO

RESOLUTION	1920 × 1080 p, 30 fps
VIDEO ENCODING	MPEG4 AVC H.264
METADATA	STANAG 4609 (KLV)
VIDEO STREAM	MPEG-TS

Laser designation for artillery



Laser designation for missiles

