



6-INCH ISTAR PAYLOAD

eOpic 6 ISTAR  VISSWIR

The eOpic-6-ISTAR is a sophisticated dual-axis gyro-stabilized electro-optical system designed for advanced ISTAR missions with laser target designator.

KEY FEATURES



Laser target designator
STANAG 3733
compliant



28x zoom
visible camera



SWIR see-spot
imager



Fully featured
mission
software



STANAG 4609



Integrated dual
channel INS



Automatic target
tracking

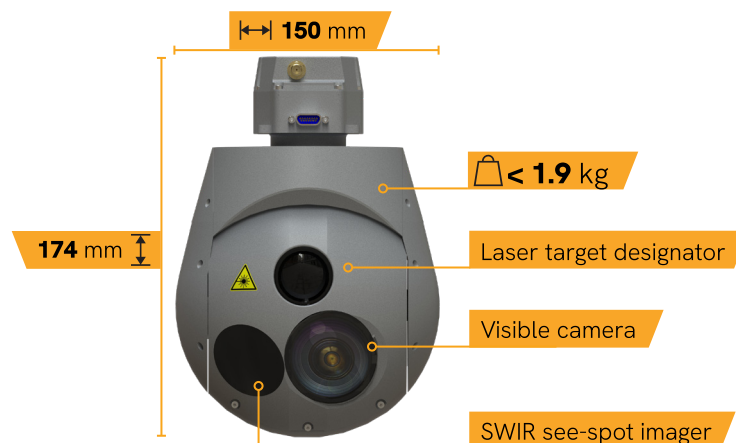


Georeferenced
imagery



ITAR-free

TECHNICAL SPECIFICATIONS



LASER TARGET DESIGNATOR

POWER	50 mJ
WAVELENGTH	1064 nm
REPETITION RATE	8 - 22 pulse / sec
DIVERGENCE	≤ 0.5 mRad or ≤ 0.8 mRad
DESIGNATION RANGE	Vehicle: 3 km Extended target: 8 km
CODE COMPATIBILITY	STANAG 3733 or user defined

VISIBLE CAMERA

TYPE	Global Shutter FullHD
RESOLUTION	1920 x 1080 p
FIELD OF VIEW	43.5° - 2.3°
ZOOM	28x optical zoom, 4x digital zoom
DRI HUMAN	14 km / 6 km / 2.5 km
DRI VEHICLE	22 km / 12 km / 6 km

SWIR SEE-SPOT

TYPE	InGaAs Global Shutter 1/2"
RESOLUTION	1296 x 1032 p
FIELD OF VIEW	7.6°
ZOOM	4x digital zoom
SPECTRAL BAND	400-1700nm

VIDEO

RESOLUTION	1920 x 1080 p, 30 fps
VIDEO ENCODING	MPEG4 AVC H.264 MPEG4 AVC H.265
METADATA	STANAG 4609 (KLV)
VIDEO STREAM	MPEG-TS

UNIQUE LTD INTEGRATION WITHIN A 6-INCH PAYLOAD

 Laser designation range 8 km; NATO standard target (2.3 x 2.3 m) 3 km	 Stationery and moving targets designation	 SWIR see-spot to visualize laser spot on target	 Guides all precision munitions
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ISTAR CONFIGURATIONS

eOpic 6 ISTAR VISSWIR

SENSOR	Visible camera
ZOOM	28x optical zoom
DRI HUMAN	14 km / 6 km / 2.5 km
DRI VEHICLE	22 km / 12 km / 6 km
SENSOR	See-spot imager
TYPE	SWIR
FOV	Fixed
LASER TARGET DESIGNATOR	Code compatibility: STANAG 3733 LTD Power: 50 mJ Divergence: ≤ 0.5 mRad or ≤ 0.8 mRad

eOpic 6 ISTAR TIS

SENSOR	Thermal imager
TYPE	LWIR
ZOOM	5x optical zoom
DRI HUMAN	3.3 km / 0.8 km / 0.5 km
DRI VEHICLE	8.4 km / 2.1 km / 1.3 km
LASER TARGET DESIGNATOR	Code compatibility: STANAG 3733 LTD Power: 50 mJ Divergence: ≤ 0.5 mRad or ≤ 0.8 mRad

eOpic 6 ISTAR VISLWIR

SENSOR	Visible camera
ZOOM	28x optical zoom
DRI HUMAN	14 km / 6 km / 2.5 km
DRI VEHICLE	22 km / 12 km / 6 km
SENSOR	Thermal imager
TYPE	SD LWIR
FOV	Fixed
DRI HUMAN	0.9 km / 0.2 km / 0.1 km
DRI VEHICLE	2.3 km / 0.6 km / 0.4 km
LASER TARGET DESIGNATOR	Code compatibility: STANAG 3733 LTD Power: 50 mJ Divergence: ≤ 0.5 mRad or ≤ 0.8 mRad