

8-INCH ISR PAYLOAD

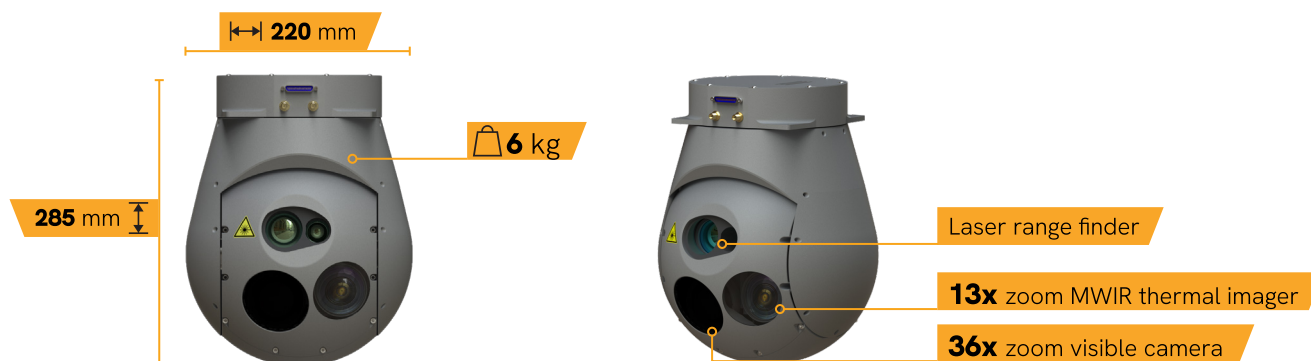
eOpic 8 ISR

The eOpic-8 payload is airborne electro-optical system designed for intelligence, surveillance, reconnaissance, targeting for Group 2 and Group 3 smaller UAVs as well as manned platforms.

KEY FEATURES

-  Fully featured mission software
-  Laser Range Finder
-  Continuous zoom MWIR thermal imager
-  STANAG 4609
-  36x zoom visible camera
-  Integrated dual channel INS
-  Automatic Target Tracking
-  Georeferenced imagery

TECHNICAL SPECIFICATIONS





VISIBLE CAMERA

TYPE	FullHD
RESOLUTION	1920 x 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 x 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	1535 nm
LASER CLASS	IEC 60825-1 Class I
PULSE RATE	3 - 6 Hz
RANGE LIMITS	10 - 15 000 m
ACCURACY	+/- 1m to +/- 3m

VIDEO

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



36x Zoom FullHD EO Camera



13x zoom MWIR thermal imager



Automatic target tracking



Picture-in-picture



Moving map software