

6-INCH ISR PAYLOAD

eOpic 6 ISR HD

The eOpic-6 ISR-HD is a sophisticated dual-axis gyro-stabilized electro-optical system designed for advanced ISR missions.

KEY FEATURES

- FullHD 36x zoom visible camera
- HD LWIR thermal imager
- Fully featured mission software
- STANAG 4609
- Integrated INS
- Automatic target tracking
- ITAR-free
- Georeferenced imagery

TECHNICAL SPECIFICATIONS



VISIBLE CAMERA

TYPE	Global Shutter FullHD
RESOLUTION	1920 x 1080 p
FIELD OF VIEW	55.6° - 1.59°
ZOOM	36x optical zoom, 4x digital zoom
DRI HUMAN	16 km / 7 km / 3 km
DRI VEHICLE	27 km / 13 km / 7 km

THERMAL IMAGER

TYPE	HD LWIR
RESOLUTION	1280 x 1024 p
FIELD OF VIEW	21°
ZOOM	8x digital zoom
DRI HUMAN	1.5 km / 0.4 km / 0.25 km
DRI VEHICLE	4 km / 1 km / 0.6 km

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

RELIABLE, EFFECTIVE, AND EASY-TO-USE



Hot-swappable payloads enable advanced ISR missions, day and night



Onboard video processing and dual-channel INS



ISTAR configurations with 50 mJ laser designator available

ISR CONFIGURATIONS

eOpic 6 ISR HD

SENSOR	Visible camera
ZOOM	36x optical zoom
DRI HUMAN	16 km / 7 km / 3 km
DRI VEHICLE	27 km / 13 km / 7 km

SENSOR	Thermal imager
TYPE	HD LWIR
FOV	Fixed
DRI HUMAN	1.5 km / 0.4 km / 0.25 km
DRI VEHICLE	4 km / 1 km / 0.6 km

eOpic 6 ISR Z

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	LWIR
FOV	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

eOpic 6 ISR LC

SENSOR	Visible camera
ZOOM	28x optical zoom
DRI HUMAN	16 km / 7 km / 3 km
DRI VEHICLE	27 km / 13 km / 7 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