

eOPIC-8LD

THREOD
SYSTEMS



Imaging payload

- 2-axis gyro stabilized gimbal
- Excellent image quality
- Outstanding accuracy
- Day and night imaging
- Moving map software
- Call for fire and adjustment

Full HD TV sensor

- 36X optical, 3X digital zoom
- Resolution 1920x1080
- HFOV 52°-1.9°
- DRI: 14/6/2.5 km human
- 22/12/6 km vehicle
- NIR low light mode

MWIR thermal sensor

- 14X optical, 3X digital zoom
- Resolution 640x512
- HFOV 28°-1.9°
- DRI: 9/2/1.2 km human
- 16/7/5 km vehicle

Laser Suite

- Laser target designator
- Wavelength 1064nm
- Power >50mJ
- Repetition rate 8-22 pulse/sec
- Code compatibility user defined

Video

- 1920x1080p 30 fps
- H.264 encoding
- Ethernet MPEG-TS output
- High quality on-board recording
- STANAG 4609 KLV metadata
- Unicast/multicast streaming

eOPIC-8LD

SPECIFICATION

Stabilisation and Steering	
Stabilisation	2 Axes with mechanical Gyro Stabilisation
Azimuth Range	Continuous 360 °
Elevation Range	Elevation Range: +20 ° to - 110 °
Slew Rate	Slew rate > 400 °/ s
Maximum Airspeed	200 Kts
System Specification	
Weight	<6kg
Dimensions	285 mm (H) x 220 mm (D) Turn Radius <220 ± 1mm
Power	28VDC , 22-32VDC according to MIL-STD-740F 70W (Typ.), 220W (Max.)

SENSOR SUITE

MWIR Zoom	
Type	MWIR, 3-5µm Cooled Infra Red Imager
Resolution	640 x 512 pixels
Fields-of-View	1.9° to 28° continuous zoom
Digital Zoom	4x
HD Color Zoom	
Type	High Definition 435 nm - 680nm Colour Band
Resolution	1920 x 1080 pixels detector
Fields-of-View	1.9° to 52° continuous zoom
Optical Zoom	36x

TARGET ENGAGEMENT

Non-Eye Safe designation and Range Finding	
NATO Targets	Between 2.5 and 4.5 km
Detection	> 8km
Moving Target	Engagement with Autotracker

LASER SUITE

Eye Safe Laser Range Finder (LRF)	
Wavelength	1572 nm Class -1M
Pulse Rate	1-10 Hz
Resolution	2m
Accuracy	± 5m
Laser Target Designator	
Wavelength	1064 nm
Power	> 50mJ, Constant over -25°C > T _{ambient} < 55°C
Repetition Rate	8-22 Pulse/sec
Code Compatibility	User defined

CONTACT:

Website www.threed.com
Email sales@threed.com