

eOPIC-8

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

LRF

- Laser Range Finder
- Wavelength 1535nm
- IEC 60825-1 Class I
- Pulse rate 3-6Hz
- Range limits 10-15,000m
- Accuracy up to $\pm 1m$

Video

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

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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.), 110W (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

LASER RANGE FINDER

Wavelength	1535 nm
Accuracy	± 1m to ± 3m
Laser type	ErGass (diode pumped)
Max. measuring rate	3-6 Hz
Laser class	IEC 60825-1 Class 1
Range limit	10 to 15,000m
Extended target	8.7km
NATO target	5.1km
Man size Target	2.9km
Multiple target discrimination	20m
Multiple target range logic	First, second and last target

CONTACT:

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