



HIGH PERFORMANCE LONG RANGE THERMAL IMAGER

Delivering high resolution and high sensitivity image clarity at all times, whatever the conditions, is at the heart of the company's Electro-Optics (EO) systems. ERICA Plus is an advanced thermal imager providing high resolution passive infrared imaging for day and night scenarios, in low visibility conditions for land, air and sea operations.

The imager uses a MWIR Mercury Cadmium Telluride HAWK detector with a 16 μ m pitch coupled with our latest generation of advanced processing electronics and very narrow FOV step zoom objective.

APPLICATIONS

- Airborne gimbals
- Mast mounted systems
- Primary and secondary sights
- Naval surveillance and tracking systems.

KEY BENEFITS

- Compact, lightweight, high performance, thermal imager
- Wide thermal dynamic range
- Designed for easy integration
- Digital Video Processing with GLACE (proprietary Local Contrast Enhancement)
- Minimal support requirements.

ERICA PLUS

FEATURES

- Designed to withstand extreme conditions
- Autofocus
- Multiple communication I/F
- Colour text and graphics overlays
- Autocalibration
- GLACE (proprietary Local Contrast Enhancement).

TECHNICAL SPECIFICATION

Power Supply	Voltage 28 VDC (18-36 VDC)	
	Consumption < 30 watt	
	Standard MIL STD 704D	
Video output	CCIR or NTSC, XGA, RGB and digital LVDS Serial	
Detector	Midwave Infrared, 3.7-5.0µm	
	Staring Focal Plane Array	
	(640x512), CMT	
	Pitch 16 µm	
Digital Zoom	2x, 4x	
Sensitivity	Better than 15 mK	
Built-In Test Equipment		
Operating Temperature	-32°C to +55°C	
Field of View (FOV)	3 FOV	NFOV + Zoom
	Narrow	Narrow
	1.2° x 0.94°	1.2° x 0.94°
	Medium	Zoom:
	4.0° x 3.2°	3.6x2.9° to
		24.0°x19.2°
	Wide 24.0°x 19.2°	
Weight	<5 kg	
Dimensions	254 mm x 151 mm x 241 mm	



RANGE PERFORMANCE (ACTUAL TARGETS)

