

# ERICA FF

Optronics Systems

## HIGH PERFORMANCE FULL FORMAT THERMAL IMAGER

Delivering high resolution and high sensitivity image clarity at all times and whatever the conditions is at the heart of the company's Electro-Optics (EO) systems.

ERICA FF is a cooled Staring Focal Plane Array step zoom thermal imaging core providing high resolution passive infrared imaging for day and night scenarios, in low visibility conditions for land, air and sea operations.

The imager uses an infrared HAWK MWIR detector coupled with our latest generation advanced processing electronics and 2 FOV step zoom objectives.

### 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
- Minimal support requirements
- Digital Video Processing with GLACE (proprietary Local Contrast Enhancement).



LAND & NAVAL DEFENCE ELECTRONICS DIVISION

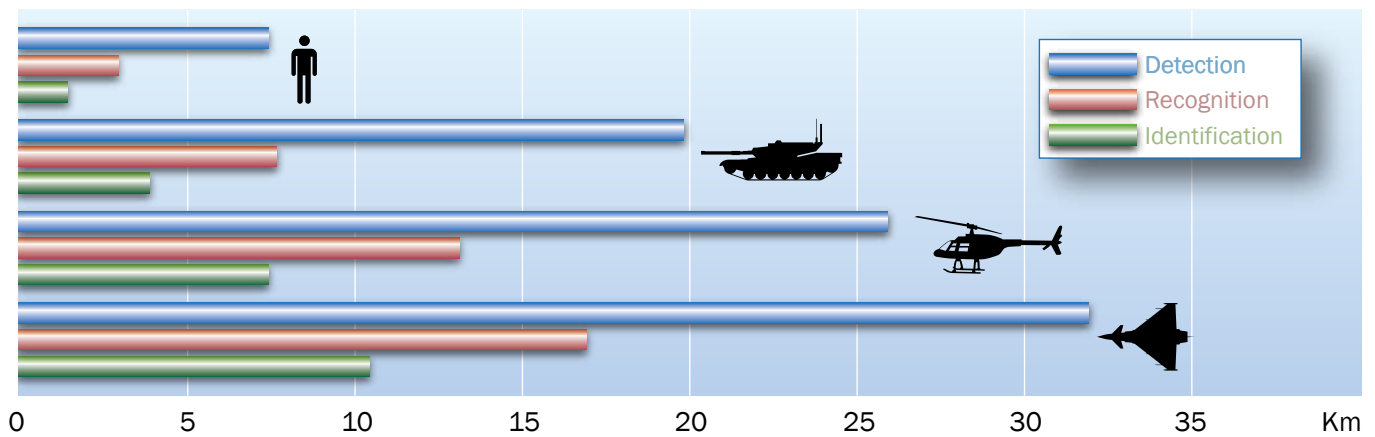
[finmeccanica.com](http://finmeccanica.com)

# ERICA FF

## TECHNICAL CHARACTERISTICS

| Parameters              | Characteristics   |
|-------------------------|---|
| Power Supply            | Voltage 28 VDC (18-36 VDC)<br>Consumption < 30 watt<br>Standard MIL STD 1275D |
| Video output            | CCIR or LVDS SERIAL<br>Midwave Infrared, 3.7-5.0µm                            |
| Detector                | Staring Focal Plane Array (640x512), CMT<br>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)     | Wide FOV 8° x 10°<br>Narrow FOV 1.9° x 2.4°                                   |
| Weight                  | 2.6Kg   |
| Dimensions              | 258 mm (L) x 140 mm (W) x 105 mm (H)  |

## RANGE PERFORMANCE (ACTUAL TARGETS)



For more information please email [infomarketing.ses@finmeccanica.com](mailto:infomarketing.ses@finmeccanica.com)

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