



## ERICA PLUS ST - HIGH PERFORMANCE STEP ZOOM THERMAL IMAGER

**SELEX Galileo's latest 3rd generation Staring Focal Plane Array (SFPA) step zoom thermal imager provides high performance, high resolution passive InfraRed (IR) imaging in day, night and poor visibility for land, sea and air operation.**

The thermal imager delivers world class performance through state-of-the-art technology. The imager utilises a full-TV IR Medium Wave InfraRed (MWIR) detector coupled with SELEX Galileo's latest generation of advanced image processing electronics and a step zoom, ultra narrow Field of View (FOV) objective.

The ERICA PLUS ST has been designed as a compact, lightweight, high performance, low power consumption unit to be integrated in specific enclosures as required by system integrators (avionic gimbals). The processing unit can be used as main computer for a sensor suite (IR+TV+Laser).

### KEY BENEFITS

- Lightweight, compact, with narrow step zoom, high performance MWIR 3rd generation imager
- Image resolution 640x480 px
- Flexible and expandable electronic architecture (up to 8 processing units)
- Ease of system integration
- Multi standard video output and flexible control interface
- Powerful processing electronics
- Different detector integration capability
- Designed for severe ARW environment
- Low life-cycle cost
- Military specification.

## ERICA PLUS ST - High Performance Step Zoom Thermal Imager

### KEY FEATURES

- Programmable configuration
- Auto or manual gain and offset
- Autofocus.
- High performance dynamic scene compression
- Continuous e-zoom
- Freeze frame
- Auto calibration
- On scene NUC
- Programmable Man Machine Interface
- Colour text and graphics
- Mobile graphics layers
- Image stabilisation, derotation
- Autotracker
- Multiple communication I/F
- Image compression (MPEG2)
- Selectable spatial or temporal filter.



### TECHNICAL SPECIFICATIONS

Dimensions	254 x 151 x 241 (L x W x H) mm
Sensitivity	10 mK typical
Power consumption	< 30 watts operating
Weight	< 5 kg
Video output	Analogue (8bit): CCIR, NTSC, XVGA, RGB Digital (14 bit): IEEE 1394, USB, LVDS SERIAL
Horizontal FOV	1.2° - 5° - 24°
Environmental	According to MIL STD 810E
Power supply	28 VDC (18-36 VDC) MIL STD 704D
Operating temperature	-40°C to +60°C
User controls	Two RS232 and two RS422

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