
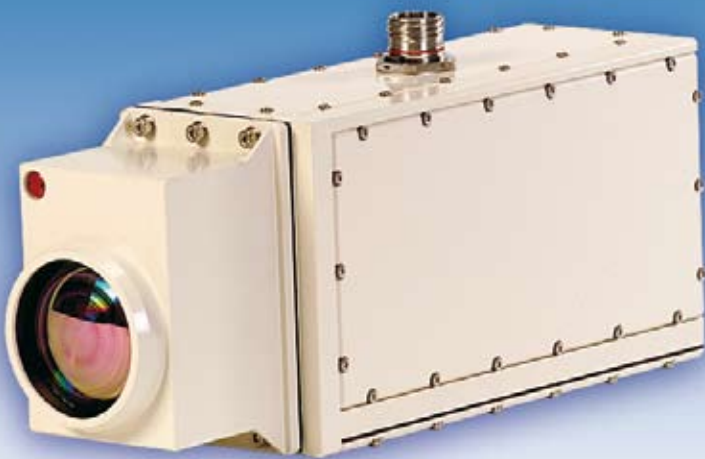


CLAIRE

 **Third generation midwave thermal imager, for aiming and observation**



DESCRIPTION

The camera is a third generation thermal imager working in the midwave IR band, based on a focal plane array technology. The imager is a new member in the Thales family of midwave camera's that started with the Albatross camera. The present camera is designed for integration into targeting and observation systems and vehicles (infantry and surveillance). Applications are e.g. in the DNGS (Thales day and night gunner system) and in the YPR MK3 system. Due to the modular design, the camera enables a high degree of flexibility and can be adapted to specific user requirements, with regard to e.g. field of view, interfaces etc.

The large focal plane array, combined with the high-sensitivity and microscan, offers a thermal imager with a very long range for detection, recognition and identification purposes.

FUNCTION

The camera has been designed to operate day and night, through smoke and fog, giving the operator an excellent image quality in 24-hour operations. All camera settings can be made via the control interface.

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REQUIREMENTS

The Claire camera meets military requirements, and is suitable for both military and civilian applications including long-range tracking and identification, coastal surveillance, search and rescue operations and security surveillance of vulnerable areas.

FEATURES

- High sensitivity
- High line of sight stability
- Long range
- Flexible
- High MTBF

COMPANY

Thales Optronics B.V. has over 25 years of experience in the design, development, production and integration of optronic vision- and weapon systems.

TECHNICAL DATA

Optical	
Spectral band	3-5 μ m.
Resolution	768 x 576, microscanned
FOV	12.5° x 9.4° (wide) 3.6° x 2.7° (narrow)
Thermal sensitivity, NETD	Better than 30 mK
Line of sight stability	0.1 mrad
Physical	
Weight	< 6.5 kg.
Dimensions, excl. connector	124 x 85 x 307 mm. (h x w x l)
Electronics	
Power consumption	25 Watt
Reliability, MTBF	>4.000 hrs acc. MIL-HBDK-217F, ground mobile
Video output	CCIR
Control	RS422, RS232 for maintenance
Environmentals	
According	MIL-STD-810E
Military wheeled or tracked vehicles	
Options	
Wiper	

