

THALES



ALBATROSS

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



DESCRIPTION

The Albatross thermal imager is based on today's new FPA technology which benefits from the better transmission characteristics of the 3-5 μm spectral window, especially in tropical climate zones. The large two-dimensional staring array combines high sensitivity with the advantages of the absence of a scanning mechanism: high MTBF, low weight, small dimensions and a low power consumption.

A highly uniform image is obtained by a special non-uniformity correction (NUC), using a Scene Based Thermal Referencing technique.

The typical 20 mK sensor sensitivity together with a small Field of View offers a very long range in North Atlantic as well as Tropical areas, meeting the operational requirements in passive day and night tracking applications of many users.

FUNCTION SETTINGS

All function settings can be made via the control interface (RS422 or other). The camera's output is a CCIR video signal which can be displayed and recorded on standard equipment. The camera can be set to enable direct replacement of older Thales/USFA cameras such as UP1043, UA9053 and CASTOR.

ALBATROSS

Third generation midwave thermal imager, for tracking and observation

REQUIREMENTS

The Albatross camera meets stringent 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.

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 μm
FOV	2.0° x 1.5° (narrow)
FOV	7.2° x 5.4° (wide)
NETD	20 mK typical
NEI	10 pW/m ² typical
MTF	50% at 4 lp/mrad
LOS	0.1 mrad
Physical	
Weight	6.2 kg
Dimensions	150 x 115 x 410 mm.
Electronics	
Power consumption	25 Watt
MTBF	>3500 hrs acc. MIL-HBDK-217F, naval unsheltered
Video output	CCIR
Control	RS422
BIT	Offline (startup), online
Environmentals	
Accordinging	MIL-STD-810E Naval Environment
Options	
Wiper/sunshield/dovetail	



THALES LAND & JOINT SYSTEMS
 P.O. Box 88, 1270 AB HUIZEN, THE NETHERLANDS
 Bestevaer 46, 1271 ZA HUIZEN, THE NETHERLANDS
 Phone: +31 (0)35 524 82 48 Fax: +31 (0)35 524 82 42
 Internet: www.thalesgroup.com/land-joint

