

TICM II

GEC SENSORS

MODULAR NAVIGATION FLIR



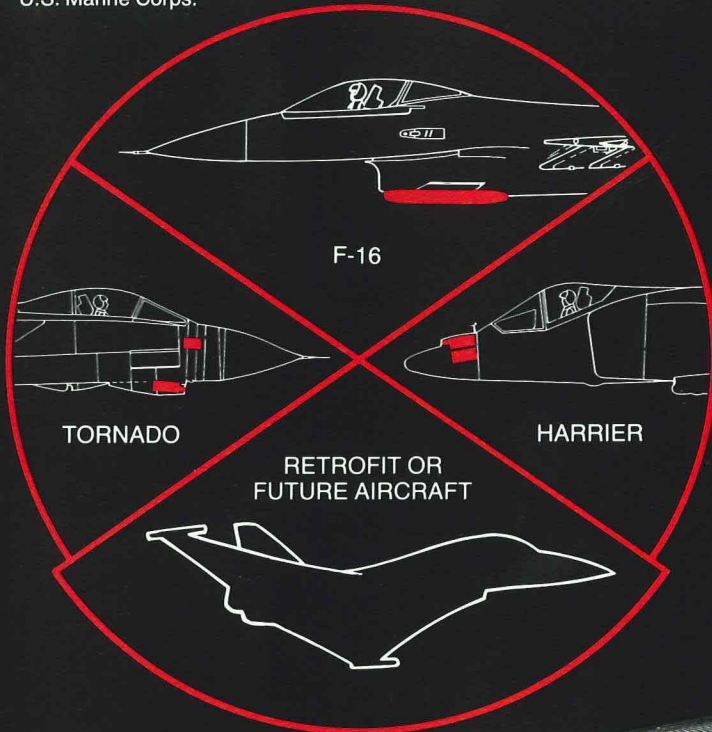
- Night and poor weather capability
- Fully automatic operation
- Increased aircraft utilisation
- 1553 databus/hardwire interface
- Conformal or external pod fit

www.rochesteravionicarchives.co.uk

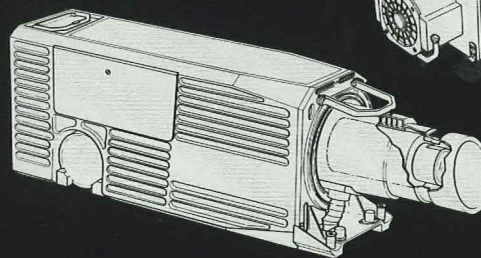
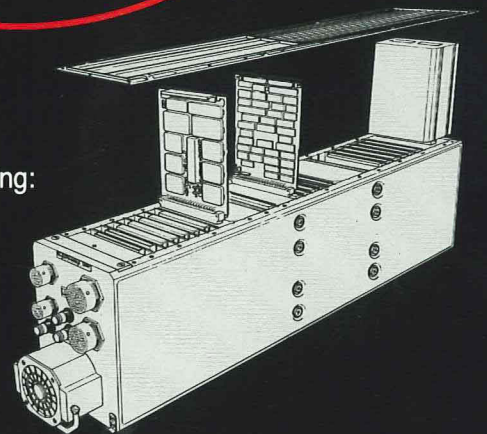
Modular FLIR Data V8300 (or V8200)

Mechanical (nominal)	: Sensor Head
	- Length 26.10" (662mm)
	- Width 5.96" (152mm)
	- Depth 8.10" (206mm)
	- Weight 36.8lbs (16.7kg)
	: Electronics Unit
	- Length 26.13" (664mm)
	- Width 5.25" (134mm)
	- Depth 7.8" (199mm)
	- Weight 32 lbs (14.5kg)
	: Interface
	- Conformal or external pod fit.
Electrical Input	: 28V DC nominal 115/200V 400Hz AC (three phase)
Power Requirement	: 200W typical } 28V DC 270W maximum } Plus 140 VA 115V AC
Operating Temperature	: -40°C to +70°C
Time to Readiness	: 2.5 to 4 minutes from 20°C typical
Interface	: 1553 databus and/or discrete hardwired
Cooling	: Ambient air 55°C maximum at 5 lbs/minute
Video Output	: 525 lines 60Hz RS 170 composite : or 625 lines 50 Hz CCIR System I composite
Optical	: Telescope selected to match FLIR image to aircraft Head-Up Display field of view 1:1
Sensor Cooling	: Closed cycle cooling engine
Built-in-Test	: Automatic fault detection and isolation

The Modular FLIR, based on UK Thermal Imaging Common Modules Class II (TICM II), consists of a number of SRA's which are configured into two WRA's, the Sensor Head and the Electronics Unit. These WRA's are compact, low weight, and have low power consumption and high reliability. A flexible aircraft interface permits easy installation into candidate aircraft. For reduced pilot workload the Modular FLIR provides unique fully automatic 'hands off' operation. Variants of the Modular FLIR have been selected by the Royal Air Force and the U.S. Marine Corps.



Electronics Unit comprising:
Processing electronics
Interface unit



Sensor Head comprising:
Telescope
Scanner
Detector (SPRITE)
Sensor Electronics
Cooling engine

This document gives only a general description of the product(s) and shall not form part of any contract. From time to time changes may be made in the products or in the conditions of supply.

GEC Sensors Limited
Electro-Optical Surveillance Division
Christopher Martin Road, Basildon,
Essex SS14 3EL, England

Telephone: Basildon (0268) 22822

Telex: 99225

Facsimile: (0268) 289833

©1987 GEC Sensors Limited



GEC SENSORS

Please note
our telephone number is now
0268-522822

GEC Sensors Limited is a management company for GEC-Marconi Limited