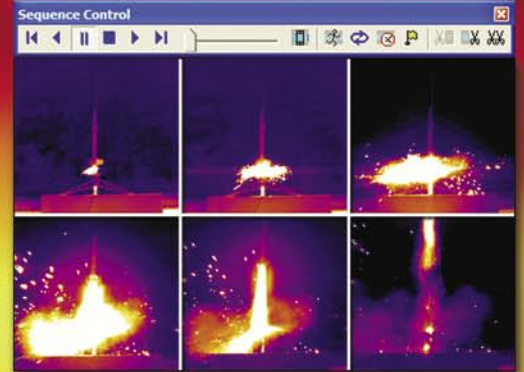
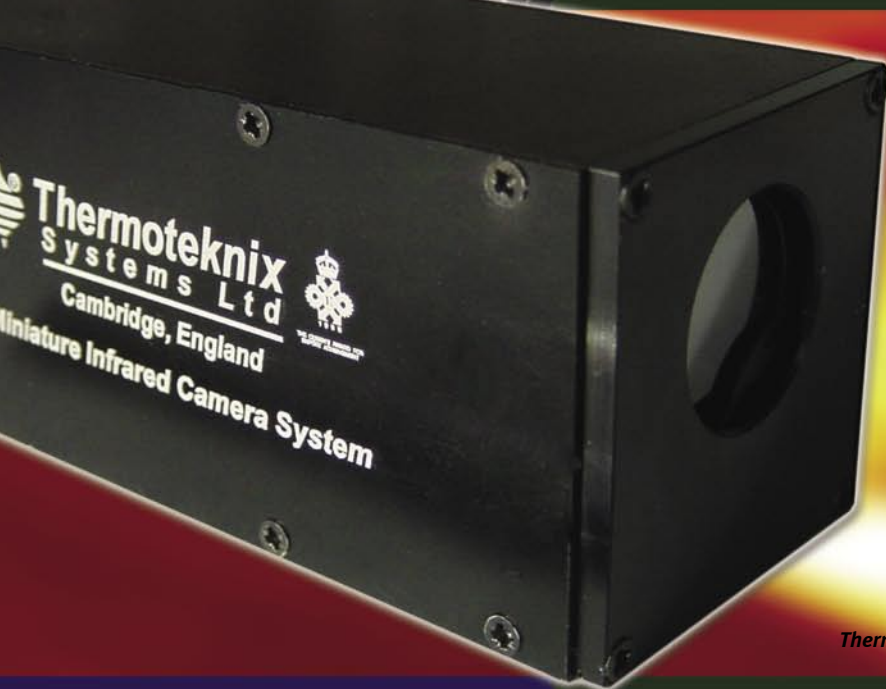




MIRIC 11

Miniature Infrared Radiometric Ruggedised Imaging Camera



ThermaGRAM®
Real Time IR Image Processing System

Thermoteknix are official sponsors of Cheever Racing Indycar Racing Team

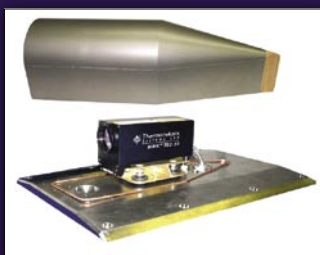
MIRIC

Thermoteknix MIRIC is the unique miniature, very high performance, rugged infrared camera calibrated for temperature measurement in the harshest of environments.

The MIRIC range includes the smallest radiometric cameras which are sealed, shock, dust and water resistant.



MIRIC Infrared Camera takes off aboard ballistic missile during Aegis BMD test November 2005



MIRIC Camera Rocket Pod

Specification

Image Size	164 x 128
Dynamic Range	14 bit
Frame Rate	30 Hz
Size	3 ^{3/4} x 1 ^{9/16} x 1 ^{5/8} inches / 95 x 41 x 42 mm
Weight	0.44lb / 200 gm
Shutter	Instrumented, motorised
Shutter control	User controlled via serial commands
Window	Germanium, anti-reflective coating, hard carbon on exterior surface
Lens	f 1.6, 40° x 30°
Temp measurement range	-20 to 300°C
Radiometric Accuracy	± 5°C or 2% whichever is greater
Focus	Internally fixed to pre-set distance
Environmental Protection	IP65 NEMA 4

MIRIC Interfaces

Control	RS232
Output	LVDS Low Voltage Differential Serial (16 bit samples)
Power	5V, 2.3 Watt (peak)

Vibration Specification

Frequency (Hz)	Acceleration density (g ² /Hz)	Frequency (Hz)	Acceleration density (g ² /Hz)
100	0.00797	650	0.00965
200	0.17157	1000	0.0280
300	0.54279		

Shock Resistance - 50g peak 11ms duration 1/2 -sine profile

Optional Accessories

Thermoteknix manufacture and supply a wide range of Digital Image Processing hardware and software solutions for Real Time data logging, imaging, capture and analysis for Scientific, Research and Development and Process applications.