

# MIRIC Industrial 500

Miniature Infrared  
Radiometric Ruggedised Imaging Camera



## MIRIC

Thermoteknix MIRIC is the unique miniature, very high performance, rugged infrared camera calibrated for temperature measurement in harsh conditions for process control and a wide range of other applications.

## IP67 NEMA 6

## Specification

Image Size	164 x 128
Dynamic Range	14 bit
Frame Rate	30 Hz
Size	12.0 x 7.5 x 8.0cm (4.7 x 2.9 x 3.1")
Weight	1 kg
Shutter	Instrumented, motorised
Shutter control	User controlled via serial commands
Window	Germanium, anti-reflective coating to exterior surface
Lens	f 1.6, Telephoto 15°, 25° or wide angle 40°
Temp measurement	-20 to 500°C
Radiometric Accuracy	± 5°C or 2% whichever is greater
Focus	Motorised, Remote Control (Minimum 0.3m to infinity)
Environmental Protection	IP67 NEMA 6
Operating Temperature	0 - 50°C
Humidity	5 - 95% Non Condensing

## Vibration Specification

Frequency (Hz)	Acceleration density (g <sup>2</sup> /Hz)	Frequency (Hz)	Acceleration density (g <sup>2</sup> /Hz)
100	0.00797	650	0.00965
200	0.17157	1000	0.02080
300	0.54279		
100	0.54279		

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

## MIRICLE® Interfaces

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

**Filter** - Filter mount provided on front face of unit. External filter holder and filters available.

## 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.