

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 ² /Hz)	Frequency (Hz)	Acceleration density (g ² /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 ½ -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.