

FLIR Thermal Imaging Camera

Manufacturer: FLIR

Model: EX Series – E4

Description

Infrared Cameras with Thermal, Visible, and MSX Imaging. This camera can be used to take thermal images that clearly reveal problems from sources of energy loss, moisture intrusion and structural issues to overheating electrical and mechanical equipment.

Specifications

Imaging and Optical Data	
IR Resolution	80 × 60
MSX Resolution	320 × 240
Thermal Sensitivity	<0.15 °C
Field of View	45 ° × 34 °
Focus	Focus Free
Detector	Uncooled Microbolometer
Screen	3.0 in. 320 × 240 color LCD
Frame Rate	9 Hz
Analysis	
Image Modes	IR image, visual image, MSX, thumbnail gallery
Multi Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation
Picture-in-Picture	N/A
Temperature Range	0 ° to 150 °C (Standard Range is –20 °C to +250 °C (–4 °F to +482 °F))
Accuracy	±5% or 5 °C, whichever is greater at 25 °C nominal (Standard Accuracy is ±2 °C (±3.6 °F) or ±2% of reading, for ambient temperature 10 °C to 35 °C (+50 °F to 95 °F) and object temperature above +0 °C (+32 °F))
Measurement Modes	Spot (center) mode
Alarm	N/A
Emissivity Correction	Variable from 0.1 to 1.0
Set-Up	
Color Palettes	Iron, Rainbow, and Gray
Set-up Commands	Local adaptation of units, language, date and time formats
Image Storage	
Storage Capacity	Internal memory store at least 500 sets of images
Storage Mode	Simultaneous storage of images in IR, visual and MSX
File Formats	Standard JPEG, 14-bit measurement data included
Other	

Battery Type / Op Time	~4 hours
Dimensions / Weight	/ 1.27 lbs (0.575 kg)
Drop	2 meter / 6.6 ft
Operating Temperature Range	0 ° to 40 °C (Standard Range is -15 °C to +50 °C (+5 °F to +122 °F))

