

Hot Find

Professional, Economical Infrared Camera



THERMAL IMAGE

- ▶ Rugged, Ergonomic and Simple to Use
- ▶ Temperature Range Up to 1500°C (2732°F)
- ▶ 50 Hz Image Refresh Rate
- ▶ 160 x 120 pixels Sensor
- ▶ NETD <100 mK
- ▶ Isothermic Function
- ▶ Radiometric with 4 Movable Spots (1 Automatic)
- ▶ Built-In Laser Pinpointing
- ▶ Alarms
- ▶ Patented Tilttable LCD Display
- ▶ 1000 Images Internal Flash Memory
- ▶ PAL / NTSC Video Output
- ▶ Optional Optics Available
- ▶ Reporting Software Included



1000 images



Introduction

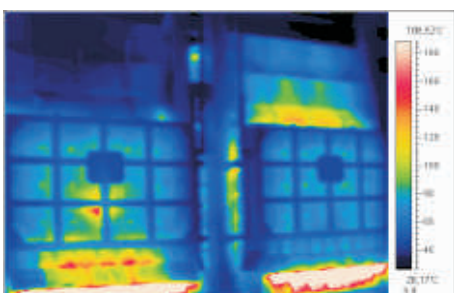
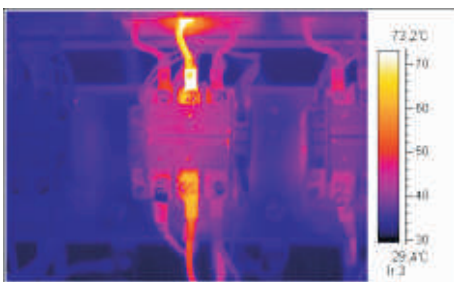
Hot Find is a rugged, compact, precise and quick infrared camera. It is the ideal solution for all the predictive maintenance activities and for the process inspections, even on high temperature ranges. The replaceable optics and the software for the reports generation are ideal for the examination activity.

General Features

The UPFA sensor has a resolution up to 0.10°C. The brightness and colour adjustable LCD tilting display guarantee a perfect vision on any position. The optic has been mainly designed for short distance analysis (e.g. electronic boards), 10 cm more or less, and can reach 5 thermal points per square millimetre.

High IR Resolution

Each kind of problem can be easily found thanks to the resolution of 19.200 pixels. The camera is so sensible that is very useful for special applications. Most of the other infrared camera have a scansion speed up to 6/8 Hz, when the Hot Find scansion speed is 50 Hz.

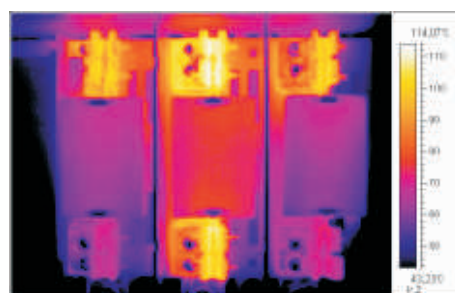


Technical Specification

	Hot Find 1174	Hot Find HT 1174-HT	Hot Find HT+ 1174-HT+
Sensor type	Microbolometer UFPA type		
Spectral range	8 – 14 micron		
Spatial Resolution	2.2 mrad		
Pixel number	160 x 120		
NETD	<100 mK	<100 mK	<100 mK
Lens/Focussing type	FOV 20° x 15° lens ; manual focussing		
Minimum focus distance	0.1 m		
Image refresh rate	50 Hz	50Hz	50 Hz
Video output	PAL / NTSC		
Display	2.5" LCD display, false colour, multi-palette Run or Freeze		
Image functions	Aperture, processing and delete		
Temperature range	-20 ÷ 250 °C -4 ÷ 480 °F	-20 ÷ 1000 °C -4 ÷ 1832 °F	-20 ÷ 1500 °C -4 ÷ 2732 °F (up to 1000°C with 28° and 6.4° optics)
Precision	±2°C or ±2%		
Spot	1 auto + 3 movable		
Temperature tracking	Tracking of the highest or the lower temperature in the scene		
Isotherms	Display the temperature area set with the right colour		
Alarm	Audible when the temperature is higher than the set threshold		
Setting	Automatic or manual setting of level and interval		
Corrections	Emissivity, distance, ambient temperature, relative humidity		
Images memory	Up to 1000 radiometric images		
Analysis software	Software for reports		
Laser pinpointing	Type II; 1 mW; 635 nm (red)		
Settings	Hour, date, °C or °F, multi language menu		
"Stand by" mode	Automatic and Manual		
Power supply	Li-ION SONY 7.2V , 8...11 Vcc battery		
Battery operation time	2,5 h. approx.	2 h. approx.	2 h. approx.
Operating temperature range	-15°C ÷ 50°C		
Storage temperature range	-40°C ÷ 70°C		
Relative humidity	< 90%		
Interfaces	USB 2.0, Video output		
Weight	>700g		

Internal Flash Memory

The standard internal memory can store up to 1000 radiometric images. You don't need to frequently download the images on your computer , but when you have finished your analysis campaign, thanks to the quick USB 2.0 port.



Accessories

Wide angle lens (28°)



Telescope lens (6.4°)



Ordering Code

The standard configuration include: infrared camera, Li-ION rechargeable battery, AC battery charger, video composite cable, USB cable, lens cap, carrying case, standard software and operating instruction manual on CD.