

DISCONTINUED PRODUCT

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inframetrics



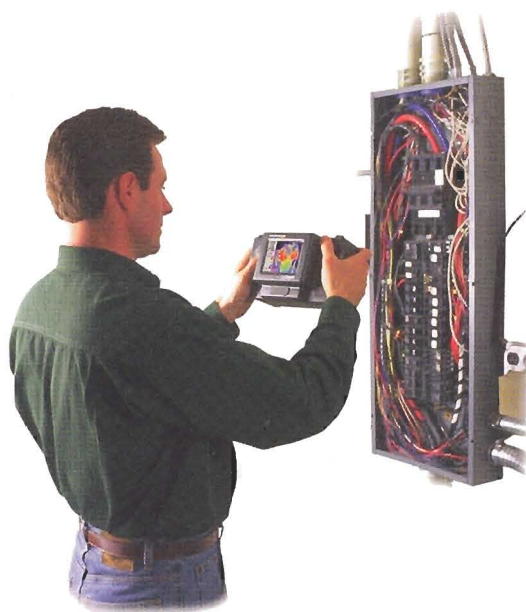
THERMA SNAP™

*Now There's an  
Affordable Solution*





# THERMASNAP™ Digital IR Still Image Camera



ThermaSNAP's "point and shoot" operation and large color LCD display make finding problems in the field fast and easy.



**Low-Cost Solution** — Priced for entry level or multi-camera installations (3 to 4 times less than other quantitative FPA cameras).



**New "Uncooled" FPA Technology** — ThermaSNAP uses an advanced silicon thermoelectric IR detector array, which provides crisp 120 x 120 pixel images without detector cooling.



**Outstanding Measurement Capability** — High accuracy and stability (+/-2% or 2°C) across the full screen.



**Simple Operation** — One button to scan and snap pictures, Inframetrics' exclusive "direct access" system control features get users up and running in no time.



**Highly Portable** — 5.0 lb (2.3kg), complete with battery.



**Longwave IR System** — ThermaSNAP operates in the longwave IR region (8-12μm) providing accurate results, indoors or outdoors, regardless of weather.



**Camcorder Battery Operated** — Like all Inframetrics products in the ThermaCAM® line, the ThermaSNAP™ offers cordless operation with standard camcorder batteries.



**Built-in Image Storage** — Removable ImageBank™ FLASH PCMCIA memory cards store hundreds of images for later transfer and review with SnapView™ Lite software (included), or with Inframetrics' powerful TherMonitor® software family.

## Low-cost predictive maintenance solution for entry-level or multi-camera installations

You've always wanted to add infrared inspection to your predictive maintenance program.... The flashy color images from those high-priced cameras look great. You know this technology could really benefit your company! You've considered low-cost IR cameras before, but something always seems to be lacking.... These systems never have all the features needed to get the job done. Sure, some produce great images, but lack reliable and accurate temperature measurement capability, and you know that's necessary to fully understand the severity of the problems you find. Other "point" IR devices provide temperature measurement, but you need to know where the hot spot is beforehand to figure out where to point. And some instruments combine good imaging and temperature measurement, but in a package too big and bulky to carry easily around your plant— nobody likes a kluge!



## Now there's an affordable solution...

Through the use of advanced uncooled IR technology, you can now get a hand-held quantitative IR system for a fraction of the price you're used to. Introducing ThermaSNAP™, the first digital IR still image camera, the perfect solution for starting an IR predictive maintenance program or expanding an existing one. This innovative system features all the capabilities needed for most basic IR inspection applications.

## Low-cost uncooled technology

ThermaSNAP's advanced uncooled silicon thermoelectric linear array detector provides crisp "snapshot" thermal images in vivid color. And, accurate temperature measurement is guaranteed with ThermaSNAP's built-in temperature reference, which calibrates the detector array before each picture is taken.

## Locate problems easily

Finding problems is simple with ThermaSNAP's scan/acquire mode. View a real-time image "slice" while scanning for problems and focusing the image. Once a target of interest is located, simply release the snap button and a crisp thermal image is instantly obtained and displayed in color or black and white on ThermaSNAP's built-in 4-inch color LCD screen. A moveable crosshair detects temperatures anywhere in the image and displays them on the screen in the data window next to the image. Other advanced measurement modes such as Inframetrics' exclusive AutoSpot® feature and a dual-spot delta-T mode make finding hot spots and determining temperature rises in the field fast and easy.



Images stored on ThermaSNAP's removable FLASH memory card can be viewed, printed and stored using the SnapView software (included) running on a Windows™ PC.



## Built-in image storage

Image storage and report generation is fast and easy with Inframetrics' removable ImageBank™ FLASH PCMCIA cards. SnapView™ Lite software for Windows™ allows users to view, sort, and print stored images. ThermaSNAP's images are also compatible with Inframetrics' best-selling TherMonitor® line of powerful image analysis and reporting software. A video output, compatible with video recorders and standard TV monitors, is included, and for remote applications, ThermaSNAP has an RS-232 port for operating the system from a computer.

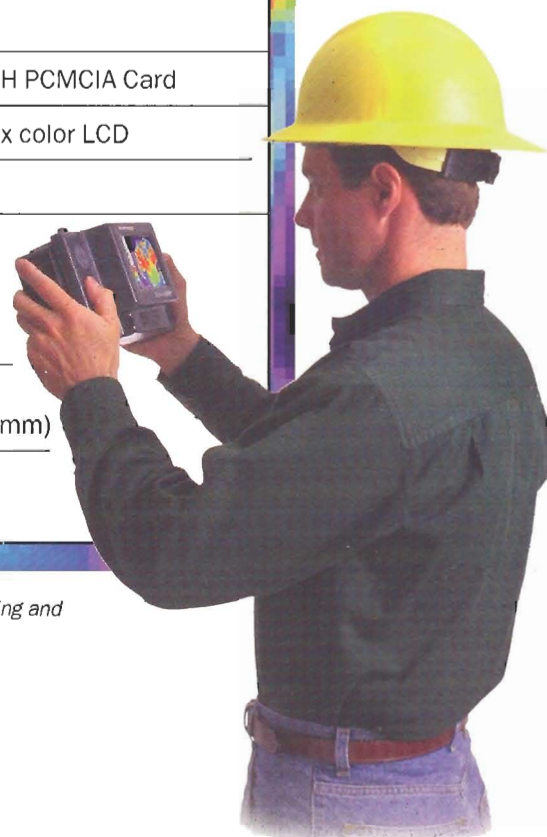
## Ideal for predictive maintenance

ThermaSNAP is perfect for a wide variety of electrical and mechanical applications where the object of interest is stationary. Best of all, ThermaSNAP is backed by Inframetrics' more than 20 years in the IR business. ThermaSNAP is part of the ThermaCAM product line, which is today's best-selling line of hand-held IR cameras for predictive maintenance. Training on camera operation and applications is available from the Inframetrics Training Center at our factory headquarters as well as at subsidiary locations around the world.

ThermaSNAP's IR digital files can be easily transformed into comprehensive reports using IR Snapview™ or TherMonitor® reporting and analysis software for Windows™.



<b>IR Detector</b>	120 element linear array of uncooled thermoelectric detectors
<b>Digitizing Resolution</b>	16 bits
<b>FOV</b>	20 degrees with 18mm lens (standard)
<b>Spectral Band</b>	8 to 12 $\mu$ m (longwave)
<b>Accuracy</b>	$\pm 2\%$ or $2^{\circ}\text{C}$
<b>Temperature Measurement Range</b>	-20 to $350^{\circ}\text{C}$
<b>Power</b>	Camcorder battery
<b>Image Scan Time</b>	1.68 seconds
<b>Image Storage</b>	4 MB Image Bank™ FLASH PCMCIA Card
<b>Display</b>	4" (102 mm) active matrix color LCD
<b>Video Output</b>	NTSC or PAL
<b>Functions</b>	Focus, snap, acquisition, store, recall, temperature measurement, and setup menu
<b>Size</b>	9.2" x 3.9" x 5.1" (235mm x 100mm x 130mm)
<b>Weight</b>	5.0 lb (2.3 kg) with lens and battery



*Inframetrics is committed to ongoing advancement of state-of-the-art infrared imaging and measurement. Consequently, system specifications are subject to change.*

## **inframetrics**

*The Infrared Specialists*

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