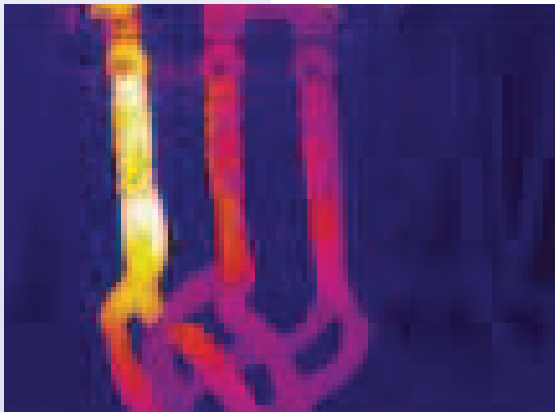


# AGEMA 570 Camera

*The World's First Uncooled Radiometric Infrared Camera*



- Instant-on operation
- Superior long wave imaging
- Low life-cycle costs
- Total system weight 2.3 kg (5 lbs)
- IRwin software



The uncooled AGEMA 570 is a breakthrough in handheld infrared cameras, offering exceptional performance in a lighter weight, more convenient package.

## Uncooled Benefits

The AGEMA 570 is the lightest infrared camera offering full-screen temperature measurement. Complete with lens and integral battery, the self-contained 570 weighs under 2.3 kg. (<5 lbs.). The camera provides "instant-on," silent operation without a lengthy cool-down period. Elimination of the cooler and associated electronics reduces camera weight and life cycle costs...there is no cooler to replace. And the use of a long wave detector eliminates emissivity error and solar reflection for improved measurement accuracy.

## 500 Series Features

The AGEMA 570 builds on the capabilities of the cryogenically cooled 550. Both offer extensive analysis functions, such as a movable spot meter, line profile and an area function for calculating minimum/maximum/average temperatures. A continuous 4X electronic zoom allows you to select the exact amount of magnification to apply to an image. All functions can be operated remotely via the RS-232 port.

## Ease of Use

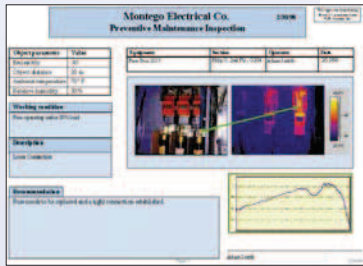
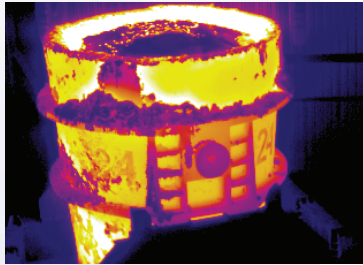
The lightweight 570 can be operated with one hand, using an intuitive keypad and pointing device. Image level and span are continually optimized without operator intervention. Commonly used functions are accessed by the touch of a button. Advanced functions are displayed on pull-down menus on the viewfinder or optional LCD, in your choice of several national languages.

## Digital Voice Recording

This unique option allows the user to streamline surveys by making detailed annotations for each stored image. This eliminates losing data or misapplying it to another image. And there's no need to carry around a clipboard or tape recorder. Over 1000 images with voice data can be stored on the 570's high-capacity PC Card.

## Software, Options & Support

IRwin, the industry's most advanced software for thermal image analysis and report generation, facilitates the preparation of reports from single page to comprehensive, integrated survey documents. Add optional lenses, flame filters or other accessories to tailor systems for specific requirements. And should your camera ever need service, FLIR Systems provides comprehensive support from sales and service facilities around the globe.



Agema 570 image quality provides superior ability to recognize problem conditions.

## Imaging and Measurement Capabilities

System Type	Focal plane array infrared camera
Spectral Range	7.5 – 13 microns
Detector	Uncooled microbolometer, 320 x 240, 76,800 pixels
Temperature Measurement Accuracy	±2% or 2°
Temperature Measurement Range	–20°C to +2000°C (–4°F to +3600°F)
Field of View	24° x 18°
Spatial Resolution (IFOV)	1.3 mrad
Minimum Discernable Temperature	0.1°C at 30°C
Image Update Rate	60Hz (50Hz for PAL)
Dynamic Range	14 bit image, 16 bit camera
Image Optimization	Continuous automatic or manual
Emissivity Setting	Yes
Color/Grey Levels	256
Palettes	Multiple color or monochrome, user selectable
Display Type	Built-in, high-resolution color LCD viewfinder
Image Storage Capacity	700 images (14 bit) on 110 MByte PC Card, larger capacities available

## Additional Specifications

Interfaces	RS-232 interface for remote camera control Voice annotation – headset connection PC Card – type II or type III
Video Outputs	RS 170 EIA/NTSC or CCIR/PAL, composite or S-video, digital video
Power	NiMH battery, 2 hours of continuous operation
Operating Temperature	–15°C to +50°C (5°F to +120°F)
Camera Weight (w/lens, battery & viewfinder)	2.3 kg (5 lbs)
Camera Size	220 x 132 x 140mm (8.7 x 5.2 x 5.5 inches)
Enclosure	IP54 rated (NEMA 13), completely water- and dust-proof

## Optional Image Analysis Features Include:

Auto hot spot; continuous image storage; automatic temperature difference read-out between target and reference temperatures; automatic display of minimum, maximum and average value in defined AOI.

## Accessories

Standard:	24° lens, PC card, AC power supply, operating manual and shipping case, multiple language support.
Optional:	Software: IRwin Report for image analysis and reporting. Optics: additional lenses, filters. Video & Recording Accessories: recorders, printers, visual light cameras, 30 sec. digital voice annotation per image with on-screen prompts, high-resolution 4" LCD display. Power Accessories: batteries, chargers, DC to DC adapter. Other: desktop/laptop PCs, additional PC Cards, tripod.

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