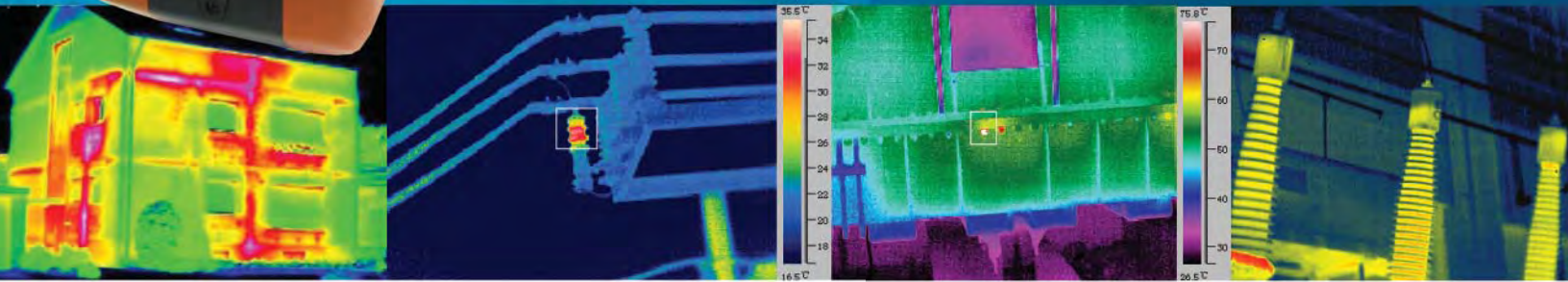




DETECTING TROUBLE WITH INFRARED IMAGING

The Cantronic Model IR980 Infrared Thermography Camera features an uncooled MICROBOLOMETER FPA detector in a long wavelength. The camera requires no cooler and hence requires no maintenance. The IR980's advanced detector offers an image array size of 320x240 pixels. The detector has a high thermal sensitivity between 8-14 μ m at 0.08 $^{\circ}$ C.

Cantronic's IR980 innovated camera offers accurate full screen temperature measurement and excellent functional features such as: Isothermal display, Image storage, movable LCD display, 40 seconds voice annotation per piece of image, recall image and voice annotation, laser pointing and line profile displaying target of all its functions.



Outstanding Features

- 320 x 240 pixels Microbolometer detector
- High temperature measurement up to 600 $^{\circ}$ C and extended to -40 $^{\circ}$ C to 2000 $^{\circ}$ C optional
- High thermal sensitivity 0.08 $^{\circ}$ C
- Voice annotation feature per image
- Color LCD Viewfinder
- Movable LCD display
- 8X digital zoom
- Laser pointing device
- Powerful Post analysis software
- Maximum temperature tracking
- Optional 0.5X, 2X, 3X extended lens

Applications

- Predictive and preventive maintenance
- Electrical power station
- Chemical and oil industry
- Pulp and pipe
- Construction and residential
- Energy saving and processing control
- Quality control

Detector Specification

Detector Type	FPA, Uncooled Microbolometer
Resolution	320 x 240 Pixel
Spectral Range	8 μ m ~ 14 μ m
Thermal Sensitivity	0.08 $^{\circ}$ C at 30 $^{\circ}$ C

MORE HOUSING COLORS AVAILABLE

Technical Specifications

LENS OPTIONS	STANDARD LENS	W/ 0.5X OPTIONAL LENS	W/ 2X OPTIONAL LENS
Focal Length	40mm	20mm	80mm
F #	0.9	0.9	0.9
Field of View (FOV)	20°×15°	40°×30°	10°×8°
Focus Range	0.5m ~ ∞	0.25m ~ ∞	0.5m ~ ∞
Measurement accuracy	±2°C or ±2%		
Temperature Measurement Range	-20°C to 600°C (Optional -40°C , +1200°C and +2000°C Extended)		
Digital Zoom Function	8 × Continuous		
Image Display	Full Screen Color Display of Temperature Measurement		
Voice Annotation	40 Seconds Voice Annotation per Piece of Image		
Viewfinder	High Resolution Color LCD (TFT)		
Video Display	4" Movable VGA LCD		
Video Output	PAL / NTSC / VGA		
Frame Frequency	50Hz (PAL) / 60Hz (NTSC)		
Color Palettes	9 Sets Colors Available		
Data Output	USB		
Image Storage	Compact Flash Card 256MB, 500 Images		
Software	CMView Report for Post Analysis and Report Writing		
Dimension (L x W x H)	245 × 120 × 131mm (9.7" x 4.8" x 5.2")		
Weight exclude battery	1.75 Kg (3.9 lbs)		
Battery Power	Internal Rechargeable Li-Ion Battery, 2 hrs Continuous Operation		
Power Input	8.4 ~ 9VDC, 25W		
Operating Temperature	-20°C to +50°C		
Humidity	≤ 95%		
Enclosure Rating	IP 54		



How To Order **IR980 - 1200 - 2x**

Temperature Measurement Range

600 : -20°C to 600°C (standard)
 1200 : -20°C to 1200°C
 1200E : -40°C to 1200°C
 2000 : -20°C to 2000°C
 2000E : -40°C to 2000°C

Optional Lens

Blank: Standard 40mm Only
 1/2X: 40mm w/ 0.5X Lens
 2X: 40mm w/ 2X Lens

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