

DETECTING FIRE WITH INFRARED IMAGING

The Cantronic Model IRF-983 Infrared Firefighting Camera features an uncooled MICROBOLOMETER FPA detector in a long wavelength. The camera requires no cooler and hence requires no maintenance. The resolution of IRF-983's FPA can be 160 x 120 or 384x288 pixels. The detector has a high thermal sensitivity between 8-14µm at 0.05°C.

Cantronic's IRF-983 innovated camera offers rugged environmental temperature measurement and excellent functional features such as: waterproof and can be soaked in water at 1 meter depth for 30 minutes, 2 meters falling down drop no-destructive machine to work properly, Laser point finder, Bluetooth and Wifi.

Product image

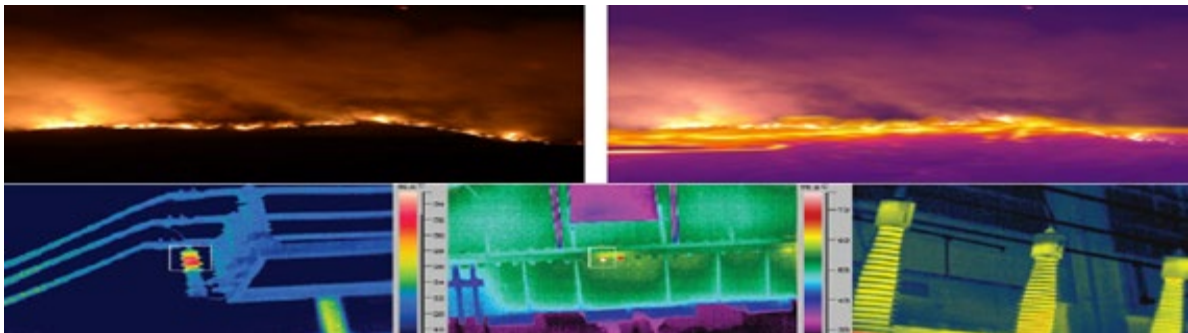


Outstanding Features

- 160 x 120 or 384 x 288 pixels Microbolometer detector
- High temperature measurement up to 1000°C optional
- 2x/4x zoom closer look at areas of interest
- TFT Screen color LCD display
- Laser pointing device
- Maximum temperature tracking

Applications

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



Specifications

Resolution (Pixels)	160 x 120	384 x 288
Field of View / Min Focus Distance	36° x 20°	52° x 39°
Spatial Resolution	3.9 mrad	2.4 mrad
Thermal Sensitivity	≤0.05C@30°C	
Wave Length	8 - 14 um	
Focus	Fixed	
Image Mode	Infrared Image Display	
LCD Display	3.5" TFT Screen	
Measurement Range	-20°C ~ +250°C (Standard), +200 ~ +1000°C (Optional)	
Accuracy	High sensitivity mode (-20°C ~ +250°C): ±2°C or 2% of readings Low sensitivity mode (+250°C ~ +1000°C): ±10°C or 10% of readings	
Temperature Measurement Mode	Auto-capture Highest Temperature Point / Central Point Temp.	
Parameter Correction	Auto	
Video Output	NTSC (60Hz) / PAL (50 Hz)	
Power Supply	Lithium-ion Rechargeable Battery	
Operating Temperature Range	-20°C ~ +55°C, able to short woke +55°C ~ +260°C	
Storage Temperature Range	-40°C to +70°C	
Humidity	10% to 95%, non-condensing	
Encapsulation	IP67	
Shock (Operational)	25G	
Vibration (Operational)	2G	
Weight	1.19 kg	
Size	240mm x 109mm x 140mm	
Other Functions	Laser Point, Lighting, USB Transmission, SD card	

How To Order

IRF-983-1000-160

Temperature measurement range

250: -20°C – +250°C
1000: +200°C – +1000°C

Resolution

160: 160 x 120
384: 384 x 288