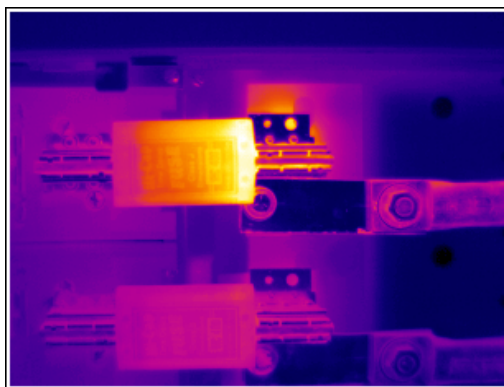


# THERMOviewer X-15



## A COMPLETE THERMAL IMAGING PACKAGE AT A REASONABLE PRICE.



### Microbolometer Technology-

The THERMOviewer™ X-15 utilizes an uncooled, long wave detector for high quality images that are immune to solar reflections.

### Fully Radiometric-

Each and every point in the image has embedded temperature data for precise temperature measurement any where in the image.

### Every System Includes:

- THERMOviewer X-15 with audio and 50mm Lens
- (2) Lithium- Ion Batteries
- Battery Charger
- Audio Headset
- Neck Strap
- Video Cable
- (1) 128mb Compact Flash Card
- Card Reader
- Report Software

### Incremental Digital Zoom-

Spatially filtered incremental zoom allows the operator to control the zoom 1/10 X at a time while insuring optimum clarity.

### Image Storage-

The X-15 stores up to 500 images with 16 seconds of embedded audio on a removable Compact Flash Card.

### US Infrared, Inc.

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# SPECIFICATIONS

## IMAGE PERFORMANCE

Lens	50mm / 24°H x 18°V
Focus	13" (330mm) to 8 (infinity)
Spatial Resolution	1.3 mrad
Image Sensitivity / NETD	= .8°C @ 30°C
Image Frame Rate	60Hz NTSC / 50 Hz PAL non-interlaced
Detector Type	320x240 Uncooled Microbolometer FPA
Fill Factor	>80%
Spectral Band	8-14 $\mu$
Image Zoom	1X—8X in .1X Increments (80 Zoom Settings)

## IMAGE PRESENTATION

Thermal	Multiple Color Palettes
Auto Gain Control	Auto Level/Gain and/or Auto Span
Viewfinder	High Resolution TFT
Video Output	RS-170 NTSC or CCIR/PAL Composite Video

## MEASUREMENT

Temperature Range	-40°C to 150°C (-40°F to 302°F) 120°C to 600°C (248°F to 1112°F)
Temperature Measurement Accuracy	±2% or 2°C of Reading
Atmospheric Transmission Correction	Input correction for Distance, Humidity and Ambient
Emissivity Setting	Auto correction based on user input
Auto Temperature Tracking	On screen cursor tracks highest or lowest temperature
Isotherm	Multiple Color Variable bandwidth Isotherm
Span or Range Setting	Automatic or Manual (1/10° increment)
Measurement Mode	Single Point (User Moveable or Auto Tracking)
Temperature Alarms	User Selectable High or Low Temperature Alarm

## IMAGE STORAGE

Type	Removable 128MB Compact Flash Memory Card
Thermal File Format	14-Bit Radiometric Digital IR File
Digital Voice Storage	16 Sec. Digital Voice Clip w/ Image
Image Storage	Up to 500 images with digital audio embedded

## ENVIRONMENTAL

Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 70°C
Humidity	10% to 90%, non-condensing
Enclosure / Protection	IP54 IEC60536-2
Shock Resilience	20G
Vibration	2G

## ELECTRICAL

Power Requirements	7.2 VDC 5W Typical
Battery Operation	150 Minutes Typical

## PHYSICAL

Camera Weight	3.85 Lbs. / 1.75Kg (including battery)
Enclosure Protection	IP54 IEC 529 Housing
Tripod Mount	1/4"-20

## WARRANTY

Duration	1 Year
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