

# IRTC800 Thermal Imager with 3.5" (89mm) Touchscreen

**High-resolution touchscreen thermal imager with advanced features for detailed analysis and precision.**

## Features:

- Infrared/Visible Light/Picture in Picture/Fusion display modes
- 320 x 240 (76,800 pixels) with  $\leq 65\text{mk}$  Thermal Sensitivity (NETD)
- 3.5" (89mm) focus-free, color touchscreen display with 640 x 480 resolution
- 5 manual spots, 3 rectangles, 3 circles, 1 line analyze, and auto hot/cold temperature markers
- Manual fusion (0 to 100%) controls the mix ratio between the infrared and visible image
- Easy-to-use menu in 5 languages (English, Spanish, French, German, Russian)
- Real time clock/calendar
- On-screen picture gallery for viewing images
- Automatic power shutdown (with disable) conserves battery life
- USB interface for transferring images (jpg) or live stream viewing on your PC
- Includes rechargeable Lithium Ion battery, SD card, and USB cable

## Specifications

Temperature Range	-4 to 1022°F (-20 to 550°C)
IR Resolution	320 x 240 pixels (76,800)
Thermal Sensitivity/NETD	$\leq 65\text{mk}$
Basic Accuracy	$\pm 2\%$ or $\pm 2^\circ\text{C}$ (3.6°F)
FOV	56° x 42°
Minimum Focus Distance	11.8" (0.3m) Focus-free
Image Frequency	25Hz
Spectral Response	8-14 $\mu\text{m}$
Emissivity	Adjustable 0.01 to 1.0
Visible Light Resolution	2MP (1600 x 1200)
Image Display Mode	Infrared/Visible Light/PIP/Fusion
Screen Size	3.5" (89mm) Color Touchscreen
Display Resolution	640 x 480 pixels
Color Display Palettes	Iron, Rainbow HC, Rainbow, Lava, White Hot, Red Hot, Black Hot
Isotherm	Auto, Ratio, Below, Above, Section, Manual
Digital Zoom	2X, 4X
Image Storage	(32GB) JPG
Image Gallery	Yes
PC Interface	SD Card/USB
Power	Rechargeable Lithium Ion
Dimensions / Weight	10.2 x 3.8 x 3.9" (260 x 97 x 99mm) / 1.4lbs (300g)



## Applications:

For preventative maintenance and troubleshooting of electrical and HVAC systems, mechanical breakdowns, water leaks and moisture buildup, heat loss from missing insulation and faulty windows/doors, automotive repair, and other places to find leaks and hot spots

## Ordering Information:

IRTC800 Thermal Imager with 3.5" (89mm) Touchscreen

