# IRTC900 Professional Thermal Imaging Camera with 384 x 288 Resolution

Infrared / Visible Light / Picture in Picture / Fusion display modes









## **Applications**

#### **Advanced Condition Monitoring**

Laser distance meter helps with precise measurements of critical systems.

#### **Energy Efficiency Studies**

Detailed analysis for commercial and industrial energy audits.

#### **Predictive Maintenance**

Voice and text annotation enable detailed records for recurring inspections.

#### Infrared Research

High sensitivity and annotation make it useful for detailed thermal studies.

#### **Utility Infrastructure Maintenance**

Scanning transformers, switchgear, and substations to identify wear, damage, or overheating components.

384 x 288 (110,592 pixels) with ≤50mk Thermal Sensitivity (NETD).

- Auto hot/cold markers for rapid issue detection.

#### **Digital Zoom**

1 to 16X continuous zoom.

#### **User-Friendly Menu**

Available in six languages-English, Italian, Spanish, French, German, and Chinese.

#### **Real-Time Features**

Built-in real-time clock and calendar.

### **On-Screen Gallery**

Integrated gallery for viewing recorded videos and images.

### **Power Management**

Automatic shutdown with disable option to extend battery life.

### **Connectivity Options**

- USB interface or WiFi (Android OS only).
- Transfer videos (mp4) and images (jpg/HIR).
- Supports live stream viewing to a PC.

### Includes

Rechargeable Lithium Ion battery (installed), 120/240VAC adapter/charger with 4 plugs (US, UK, EU, AU), 8GB microSD card, Software CD, USB cable, and a protective case.

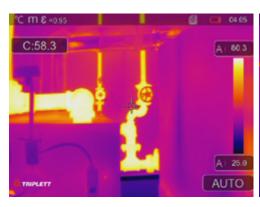
#### **Users**

- Advanced maintenance professionals
- · Industrial safety engineers
- · Energy consultants
- · Professional electricians
- Commercial electricians
- Professional building inspectors
- Utilities technicians

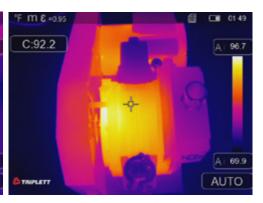


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Temperature Range	-4 to 1022°F (-20 to 550°C)		
IR Resolution	384 x 288 (110,592 pixels)		
Thermal Sensitivity/NETD	≤50mk		
Basic Accuracy	±2% or ±2°C (3.6°F)		
FOV	41.5° x 31.1°		
Minimum Focus Distance	19.7" (0.5m) Manual Focus		
Image Frequency	9Hz		
Spectral Response	8-14µm		
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) Touchscreen		
Display Resolution	640 x 480 pixels		
Color Display Palettes	Iron, Rainbow, White hot, Black hot, Brown hot,		
	Blue red, Hot cold, Feather		
Video/Image Storage	(Built-in 3.4G) MP4/JPG or HIR / 8GB microSD card (included)		
Image Gallery	Yes		
PC Interface	USB, Wifi (Android OS only)		
Power	Rechargeable Lithium Ion		
Dimensions	8.8 x 3 x 3.8" (224 x 77 x 96mm)		
Weight	1.1lbs (500g)		

# **Ordering Information:**

IRTC900 Professional Thermal Imaging Camera with 384 x 288 Resolution

### What's in the Box?

IRTC900

Rechargeable Lithium Ion battery (installed)

120/240VAC adapter/charger with 4 plugs (US, UK, EU, AU)

8GB microSD card

Software CD

USB cable

Protective carrying case



