



## Meditherm IRIS 640

Digital Infrared Thermal Imaging System

### PRODUCT DESCRIPTION

An ultra high definition system specifically designed and calibrated for use in clinical applications. High definition and high sensitivity can help provide optimum readings across regions of interest where maximum definition is beneficial.

### BENEFITS

Meditherm supports an extensive network of doctors and technicians worldwide with a unique, end-to-end service.

Meditherm stands as the industry leader with the largest network of doctors and technicians worldwide and the longest established infrastructure covering manufacture, marketing and support.



**Advanced detector  
core technology**



**Suitable for any  
clinic environment**



**Maintenance free  
with no consumables**



**Good bottom line  
profits with minimal  
investment**



**Extensive network of  
doctors & technician  
users worldwide**



**Medical grade,  
calibrated for  
optical clinic use**

The Meditherm IRIS 640 thermal imaging system is an infrared thermal imaging device designed for viewing and digitally storing thermal images. The complete system package includes the high performance thermal camera, a fully configured laptop and custom imaging software.

This Meditherm System is intended for adjunctive use within medical and clinical applications that have been cleared by the FDA.

The system must not be used as a stand-alone medical, or clinical test and is restricted to adjunctive clinical testing within the user's healthcare scope of practice. Appropriate use of Meditherm IRIS devices is determined by qualified healthcare professionals based upon their assessment of the patient's history and symptoms.

### KEY FEATURES

**Detector:** FPA, uncooled (17  $\mu\text{m}$  x 17  $\mu\text{m}$ )

**Spectral range:** 7 - 13  $\mu\text{m}$

**Optical resolution (IR):** 640 x 480 pixels

**Frame rate:** 5Hz up to 32 Hz

**Thermal sensitivity:**  
75mK with 33° x 25°, 19mm.

**Temperature measurement sensitivity (NETD):** 0.01°C

**RSS Accuracy:** Absolute temperature  
-  $\pm 2^\circ\text{C}$  or  $\pm 2\%$

**Medical Calibration Accuracy between 20° - 30°:**  $< 0.2^\circ\text{C}$ . Comparative measurement sensitivity  $\Delta T$  - 0.01°C

**Auto ambient correction:** Standard default continuous/software controllable

**Optics:** 33° x 25° 19mm or 15° x 11°, 41.5mm or 60° x 45°, 10mm

**Temperature range in medical specification:** 17°C to 38°C (scalable via software)

**Ambient temperature:** 0°C to 50°C

**Storage temperature:** -40°C to 70°C

**PC interface:** USB 2.0 or 3.0

**Shock/vibration:** 25G, IEC 68-2-29/2G, IEC 68-2-6

**Power Supply:** USB Powered PC, Laptop or Tablet running Windows

**Relative humidity:** 20 - 80%, non-condensing

**Additional:** WinTES3 camera control and software. Optional rechargeable power supply (backup laptop or tablet)

**Enclosure size:** 55mm x 150mm x 250mm

**Weight:** 1020g (2lb 4oz)

### FOR FURTHER DETAILS

✉ [sales@meditherm.com](mailto:sales@meditherm.com) **meditherm.com**