



Meditherm IRIS 160

Digital Infrared Thermal Imaging System

PRODUCT DESCRIPTION

The IRIS 160 Digital Infrared Thermal Imaging System is a reliable and cost effective, medical grade tool for adjunctive screening. The turn-key system is specifically designed and calibrated for optimal use in clinical applications. Ideal for new practices and general practice applications.

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 160 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 (25 μ m x 25 μ m)

Spectral range: 7 - 13 μ m

Optical resolution (IR): 160 x 120 pixels

Frame rate: 5Hz up to 120 Hz

Thermal sensitivity:

0.08 K with 23° x 17°. 0.3 K with 6° x 5°. 0.1 K with 41° x 31°.

Temperature measurement sensitivity (NETD): 0.01°C

RSS Accuracy: Absolute temperature - \pm 2°C or \pm 2%

Medical Calibration Accuracy between 20° - 30°: <0.2°C. Comparative measurement sensitivity Δ T - 0.01°C

Auto ambient correction: Standard default continuous/software controllable

Optics: 23° x 17° 10 mm or 6° x 5° 35.5 mm or 41° x 31° 5.7 mm or 72° x 52° 3.3 mm

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

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