

# FM 384 P SERIES IR CAMERA



The ICI FM 384 P Series IR Camera system is a lightweight, compact solution for long-term skin temperature data collection. Radiometric information is streamed directly to any desktop, laptop, tablet, or embedded system. The FM 384 rapidly provides accurate temperature measurements within  $\pm 0.2$  °C. Features dual-sensors paired with a visible CMOS camera. Gives you audio and visual alert feedback when high temperatures are detected. The system is CE and ISO 9001 compliant.

## Features

- Unmatched image sensitivity
- Radiometric data streaming
- Audio and visual alarms
- Record and capture functions
- Multi-IR video mode
- ISO 9001 & CE compliant

## Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

## Specifications

- **Detector Array:** UFPA
- **Pixel Pitch:** 17  $\mu$ m
- **FOV:** 32° x 24°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 384 x 288
- **Spectral Band:** 7.5  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **Frame Rate:** 50 Hz - 60 Hz
- **Dynamic Range:** H264 UVC
- **Temperature Range:** 20 °C to 50 °C
- **Operation Range:** 0 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:**  $\pm 0.2$  °C
- **Pixel Operability:** > 99 %
- **Dimensions (without lens):** 236 mm x 130 mm x 80 mm (L x W x H  $\pm .5$  mm)
- **Power:** < 30 W
- **Weight (without lens):**  $\leq$  850 g
- **Interface:** USB 2.0
- **Video:** H.264 IR and UVC (NV12) visible
- **Emissivity Correction:** 0.1 to 1.0
- **IP Rating:** IP 54
- Built in shutter
- **ICI IR Flash 1.0 Software Requirements:**
  - Processor:** i5 or above
  - RAM:** 4 GB or above
  - OS:** Windows 8/8.1/10
  - Hard Drive:** 256 GB or above

## Options & Accessories

- Optional: 1/4"-20 Tripod
- Temperature reference source
- Integrated cable



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**THESE SYSTEMS ARE INTENDED TO BE USED ADJUNCTIVELY AND NOT AS STANDALONE DEVICES.**