

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 ± 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 μ m
 - **FOV:** 25° x 16°
 - **Measurement Distance:** lens dependent
 - **Pixel Resolution:** 384 x 288
 - **Spectral Band:** 7.5 μ m to 14 μ m
 - **Thermal Sensitivity (NETD):**
< (50 mK) 0.05 °C at 30 °C (86°F)
 - **Frame Rate:** 50 Hz
 - **Dynamic Range:** H264 UVC
 - **Temperature Range:** 30 °C to 45 °C (86°F to 113 °F)
 - **Operation Range:** -30 °C to 50 °C (-22°F to 122 °F)
 - **Storage Range:** 40 °C to 70 °C (-40 °F to 158 °F)
 - **Humidity:** \leq 95%
 - **Accuracy:** ± 0.2 °C (0.36 °F)
 - **Pixel Operability:** > 99 %
 - **Shock/Vibration:** 25 G/2 G
 - **Dimensions (without lens):**
236 mm x 130 mm x 80 mm (L x W x H \pm 0.5 mm)
(9.29" x 5.12" x 3.15" (L x W x H \pm 0.02"))
 - **Power:** 12V DC 1 A, < 30 W
 - **Weight (without lens):** < 850 g (1.87 lbs)
 - **Interface:** USB 2.0
 - **Video:** H.264 IR and UVC (NV12) visible
 - **Emissivity Correction:** 0.01 to 1.0
 - **IP Rating:** IP 54
 - Built-in shutter
- **Visible Camera:** 1920 x 1080

Options

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



FM 384 P Series IR Camera

THIS DEVICE IS INTENDED FOR ADJUNCTIVE USE WITH OTHER CLINICAL DIAGNOSTIC PROCEDURES TO MEASURE HUMAN BODY TEMPERATURE VIA NON-CONTACT SKIN MEASUREMENTS VISUALIZED FROM THE HUMAN FACE. NOT MEANT FOR STANDALONE CLINICAL DIAGNOSTIC PROCEDURES OR TO TREAT OR DIAGNOSE PATIENTS.