The ICI FM 320 P Series IR Camera is an infrared skin temperature screening system with the ability to report the total number of persons scanned as well as alarm events. With a 320 x 240 pixel resolution, the FM 320 P features high accuracy and an AI algorithm to measure across large areas. This makes the system perfect for non-contact temperature measurement and radiometric imaging in public areas. Elevated skin temperatures trigger an alarm sound and image capture features for ease of use.

**Features**

- Automatic alarm capture
- Sound alarm
- Continuous video recording
- Hot spot tracker
- Synchronous display
- Intelligent calibration
- Unmatched image sensitivity
- Radiometric data streaming

**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 μm
- **FOV:** 34° x 26°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 384 x 288
- **Spectral Band:** 8 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **Frame Rate:** 50-60 Hz
- **Dynamic Range:** H 264
- **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:** ± 0.3 °C
- **Pixel Operability:** > 99 %
- **Dimensions (without lens):** 120 mm x 240 mm x 390 mm (L x W x H ± .5 mm)
- **Power:** 12V < 15 W
- **Weight (without lens):** 2000 g
- **Interface:** RJ-45 Ethernet
- **Video:** H.264 for IR and 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 visible camera

*These systems are intended to be used adjunctively and not as standalone devices.*