

# FM 640+ P SERIES IR CAMERA



The FM 640+ P Series IR Camera is an infrared skin temperature measurement system with the ability to report the total number of persons scanned as well as alarm events. With a 640 x 512 pixel resolution, the FM 640+ 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 tracking
- Synchronous display
- Intelligent calibration

## Specifications

- **Detector Array:** UFPA
- **Pixel Pitch:** 17  $\mu$ m
- **FOV:** 34° x 26°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 8  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **Frame Rate:** 30 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:**  $\pm$  0.3 °C
- **Pixel Operability:** > 99 %
- **Dimensions:** 192 mm x 135 mm x 85 mm  
(L x W x H  $\pm$  0.5 mm)
- **Power:** 12V < 15 Watts
- **Weight (without lens):** 1500 g
- **Interface:** RJ-45 Ethernet
- **Visible Camera:** 1920 x 1080
- **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

## Applications

- Skin temperature measurement
- Radiometric imaging
- Scientific research
- Public access areas

## Options & Accessories

- Optional: 1/4"-20 tripod
- Temperature reference source
- Integrated visible camera



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