

# FM 320 PLUS P SERIES IR CAMERA



The FM 320 Plus 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 384 x 288 pixel resolution, the FM 320 Plus 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:** 20° x 17°
  - **Measurement Distance:** lens dependent
  - **Pixel Resolution:** 384 x 288
  - **Spectral Band:** 8  $\mu$ m to 14  $\mu$ m
  - **Thermal Sensitivity (NETD):**  
< (50 mK) 0.05 °C at 30 °C (86°F)
  - **Frame Rate:** 50 Hz
  - **Dynamic Range:** H 264
  - **Temperature Range:** 20 °C to 50 °C (68 °F to 122 °F)
  - **Operation Range:** 0 °C to 50 °C (32 °F to 122 °F)
  - **Storage Range:** -40 °C to 60 °C (-40 °F to 140 °F)
  - **Humidity:** 5% to 95% non-condensing
  - **Accuracy:**  $\pm$  0.3 °C (0.54°F)
  - **Pixel Operability:** > 99 %
  - **Dimensions:**  
232 mm x 145 mm x 85 mm (L x W x H  $\pm$  0.5 mm)  
(9.13" x 5.71" x 3.35" (L x W x H  $\pm$  0.02"))
  - **Power:** 12 V DC 1 A, < 15 Watts
  - **Weight (without lens):** < 1220 g (2.69 lbs)
  - **Interface:** RJ-45 Ethernet
  - **Video:** H.264 for IR and visible
  - **Emissivity Correction:** 0.01 to 1.0
  - **IP Rating:** IP 54
  - Built-in shutter
- **Visible Camera:** 1920 x 1080

## Applications

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

## Options

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



FM 320 Plus P Series

**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.**