ICI | INFRARED CAMERAS INC

FM 640 PLUS P SERIES
IR CAMERA

Medical

The FM 640 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 640 x 512 pixel resolution, the FM 640 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

Applications

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

Specifications

- **Detector Array:** UFPA
- **Pixel Pitch:** 17 µm
- **FOV:** 34° x 26°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):**
  < (50 mK) 0.05 °C at 30 °C (86°F)
- **Frame Rate:** 30 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:** ± 0.3 °C (0.54°F)
- **Pixel Operability:** > 99 %
- **Dimensions:**
  232 mm x 145 mm x 85 mm (L x W x H ± 0.5 mm)
  (9.13” x 5.71” x 3.35” (L x W x H ± 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

Options

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

FM 640 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.

2105 W. Cardinal Dr. Beaumont, TX 77705 | Phone: (409) 861-0788 | Toll Free: (866) 861-0788
infraredcameras.com | sales@infraredcameras.com | We Are IR ™