

FMX 700 P SERIES IR CAMERA



The FMX 700 P Series IR Camera is a highly sensitive 640 x 512 imager with an accuracy of $\pm 0.3^{\circ}\text{C}$ (0.54°F). It provides real-time thermal imaging of temperatures between 0°C to 60°C (32°F to 140°F). It is designed to be used adjunctively with other diagnostic tool such as ICI's IR Flash STM software for detecting elevated skin temperatures. From medical imaging to patient monitoring, infrared technology offers non-invasive solutions for early detection and risk reduction.

Features

- Unmatched image sensitivity
- Displays real time color thermal images
- 10 Color palettes
- Alarms trigger
- Spot/Area/Isotherm
- Small Size, light weight
- Low power, < 3.3 W

Applications

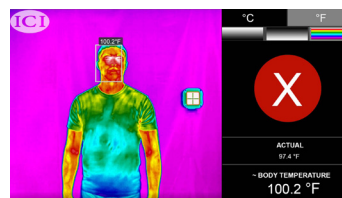
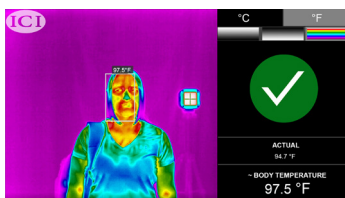
- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Sub-acute healthcare settings

Options

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

Specifications

- **Pixel Resolution:** 640 x 512
- **Accuracy:** $\pm 0.3^{\circ}\text{C}$ (0.54°F)
- **Temperature Range:** 0°C to 60°C (32°F to 140°F)
- **Operation Range:** -10°C to 60°C (14°F to 140°F)
- **Storage Range:** -20°C to 65°C (-4°F to 149°F)
- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 12 μm
- **Focal Length:** 13 mm
- **FOV:** 33.7° x 27°
- **Focus:** electronic
- **Measurement Distance:** lens dependent
- **Spectral Band:** 8 μm - 14 μm
- **Thermal Sensitivity (NETD):**
< (50 mK) 0.05°C at 30°C (86°F)
- **Frame Rate:** 25 Hz NTSC/PAL
- **Dynamic Range:** 14-bit
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99%
- **Shock/Vibration:** 30 G/4.3 G
- **Dimensions:**
119 mm x 55 mm x 55 mm (L x W x H +/- 0.5 mm)
(4.69" x 2.17" x 2.17" (L x W x H ± 0.02 "))
- **Power:** 10V - 36V DC, < 3.3 W
- **Weight (without lens):** < 370 g (13.05 oz)
- **Interface:** RJ-45 Ethernet
- **Protocols:** TCP, UDP, ICMP, DHCP, RTPSP
- **Video:** raw data
- **Polarity:** 10 options
- **Emissivity Correction:** 0.01 to 1.0
- **Protection:** IP54
- Internal non-uniformity correction (NUC)
- 1/4"-20 tripod support



FMX 700 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.