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FMX 400 P SERIES IR CAMERA



FDA
510 (k)



INFRARED CAMERAS INC.

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FMX 400 P SERIES IR CAMERA

The FMX 400 P Series IR Camera is a 50/60 Hz imager with unmatched sensitivity and accuracy. It is a 384x288 radiometric imager that provides real-time thermal imaging. Radiometric data can be streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. The FMX 400 has IP54, IP65, NEMA 9 Class 1 Div.1, Class 1 Div.2 environmental protections. Explosion proof housing is optional. Includes IR Flash Software version 1.0 for analysis and report building.



Features

- Unmatched image sensitivity
- Radiometric data streaming
- Integrates into embedded systems
- Displays real time color thermal images
- 10 Color palettes
- Alarms trigger
- Spot/Area/Isotherm
- Small Size, light weight
- Low power

Applications

- Skin Temperature Measurement
- Healthcare Robotics
- Radiometric Imaging
- Scientific Research
- Breast Imaging
- Hospital Healthcare Procedures
- Sub-acute Healthcare Settings
- Airport Screening

Specifications

- **Detector Array:** UFPA
 - **Pixel Resolution:** 384x288
 - **Spectral Band:** 8 μ m-14 μ m
 - **Lens:** 8mm Electronic Focus Lens
 - **Thermal Sensitivity (NETD):** <0.03 °C at 30 °C
 - **Frame Rate:** 50 Hz to 60 Hz NTSC/PAL
 - **Temperature Range:** -20 °C to 50 °C
 - **Operation Range:** -15 °C to 50 °C
 - **Storage Range:** -40 °C to 70 °C
 - **Accuracy:** \pm 0.3 °C
 - **Protection:** IP54, IP65, NEMA 9 Class 1 Div.1, Class 1 Div.2
 - **Image Display:** real-time color thermal images
 - **Pixel Operability:** >99%
 - **Dimensions:** 183 mm x 77.6 mm x 67.6 mm (L x W x H +/- .5 mm)
 - **Weight:** 500 Grams - without lens
 - **Power:** AC adapter, 110V/220V
 - **Ethernet:** TCP, DHCP ICI proprietary RAW streaming
 - Alarms trigger
 - Spot/Area/Isotherm
 - 1/4" standard tripod mounting
- **Recommended System Requirements:**
Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

Options & Accessories

- Blackbody (optional)
- Tripod (optional)
- Explosion proof housing (optional)

