

FMX 400 P SERIES IR CAMERA



The FMX 400 P Series IR Camera is a 50 Hz - 60 Hz imager with unmatched sensitivity and accuracy. It is a 320 x 240 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 IP 54 protection, and optional NEMA 9 Class 1 Div.1, Class 1 Div.2 when paired with stainless steel, explosion proof housing. Includes IR Flash STM software for analysis.

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
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA
- **Pixel Pitch:** 17 μm
- **FOV:** 47° x 35.6°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 8 μm - 14 μm
- **Thermal Sensitivity (NETD):** < 0.03 °C at 30 °C (30 mK)
- **Frame Rate:** 50 Hz - 60 Hz NTSC/PAL
- **Dynamic Range:** 14-bit
- **Temperature Range:** -20 °C to 50 °C
- **Operation Range:** -15 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:** \pm 0.2 °C
- **Pixel Operability:** > 99 %
- **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)
- **Power:** DC 110V 10 - 36, < 3 W
- **Weight (without lens):** 220 g
- **Interface:** RJ-45 Ethernet
- **Video:** raw data
- **Emmissivity Correction:** 0.1 to 1.0
- **Protection:** 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

Options & Accessories

- Optional: 1/4"-20 tripod
- Temperature reference source
- Optional: explosion proof housing for NEMA 9 Class 1, Div.1, Class 1 Div.2



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