



The FMX 400 P-Series is a 384 x 288 imager with unmatched sensitivity and an accuracy of $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) or $\pm 2\%$. It provides real-time thermal imaging of temperatures between -20°C to 550°C (-4°F to 1022°F). Our FMX 400 is designed for fixed mounted applications. The FMX 400 has IP54 protection and includes IR Flash Pro software for thermal analysis. Integrate the device with our stainless steel, explosion-proof housing for imaging objects in hard-to-reach areas or extreme environments.

Features

- Unmatched image sensitivity
- Radiometric data streaming
- 10 Color palettes
- Alarms trigger
- Spot/Area/Isotherm
- Small size
- Light weight
- Low power, < 3 W

Applications

- Process control monitoring
- Industrial vision systems
- Predictive maintenance
- Reliability engineering
- Electrical/electronics monitoring
- Scientific research
- Building automation
- Security monitoring

Specifications

- **Pixel Resolution:** 384 x 288
- **Accuracy:** $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) or $\pm 2\%$
- **Temperature Range:** -20°C to 550°C (-4°F to 1022°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
- **Pixel Pitch:** 17 μm
- **Focal Length:** 19 mm
- **FOV:** 47° x 35.6°
- **Focus:** electronic
- **Measurement Distance:** lens dependent
- **Spectral Band:** 8 μm - 14 μm
- **Thermal Sensitivity (NETD):**
< (40 mK) 0.04 $^{\circ}\text{C}$ at 30°C (86°F)
- **Frame Rate:** 50 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 \pm 0.02"))
- **Power:** DC 110V 10 - 36, < 3 W
- **Weight (without lens):** < 370 g (13.05 oz)
- **Interface:** RJ-45 Ethernet
- **Video:** raw data
- **Emissivity Correction:** 0.01 to 1.0
- **Protection:** IP 54
- Internal non-uniformity correction (NUC)
- 1/4"-20 tripod support

Options

- NEMA 4X explosion proof housing
- Standard tripod



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