



The FMX 1280 fixed mounted thermal camera provides high temperature measuring from  $-20^{\circ}\text{C}$  to  $550^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $1022^{\circ}\text{F}$ ) and an accuracy of  $\pm 2^{\circ}\text{C}$  ( $\pm 3.6^{\circ}\text{F}$ ) or  $\pm 2\%$  to monitor industrial targets. It provides high definition 1.3MP, 1280 x 1024 images to meet research and field requirements. Perfect for real-time streaming and analysis of remote locations. Powered by ICI's proprietary SmartIR software, which includes analytics, work order integration, alerts and notifications, and live video feeds for remote monitoring. SDK available.

## Features

- 1.3 MP high-definition imaging
- High-temperature measuring
- Transmits on-site temperature data in real-time
- Customized point/line/area temperature analysis
- Multiple network protocols: TCP, UDP, ICMP, and more
- Compatible with ONVIF, GB128181, and GenlCam
- Automatic alarms
- Power Protection
- SDK available

## Applications

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

## Accessories

- Call for more information



FMX 1280

## Specifications

- **Pixel Resolution:** 1280 x 1024
- **Accuracy:**  $\pm 2^{\circ}\text{C}$  ( $\pm 3.6^{\circ}\text{F}$ ) or  $\pm 2\%$
- **Temperature Range:**  
Standard:  $-20^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $302^{\circ}\text{F}$ )  
Industrial:  $0^{\circ}\text{C}$  to  $550^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $1022^{\circ}\text{F}$ )
- **Operation Range:**  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $140^{\circ}\text{F}$ )
- **Storage Range:**  $-20^{\circ}\text{C}$  to  $65^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $149^{\circ}\text{F}$ )
- **Detector Array:** FPA (VOx)
- **FOV:**  $19.6^{\circ}$  x  $14.7^{\circ}$
- **IFOV:** 1.7 mrad
- **Focal Length:** 19 mm
- **Focus:** automatic/manual
- **Thermal Sensitivity (NETD):**  
< (50 mK)  $0.05^{\circ}\text{C}$  at  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ )
- **Frame Rate:** 15 Hz; optional 30 Hz
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 30 G/4.3 G
- **Dimensions (without lens):**  
62 mm x 70 mm x 130 mm (L x W x D  $\pm 0.5$  mm)  
(2.44" x 2.76" x 5.12" (L x W x H  $\pm 0.02$ "))
- **Weight (without lens):** 670 g (1.48 lbs)
- **Power:** 10~16V DC,  $\leq 6\text{W}$
- **Power Protection:** Over-voltage; Under-voltage; Reverse Connection
- **Interface:** RJ45 Ethernet
- **Protocols:** TCP, UDP, ICMP, DHCP, RTSP, GigE
- **Video Mirror:** Horizontal; Vertical; Diagonal
- **Image Polarity:** 18 options
- **Brightness:** adjustable
- Internal non-uniformity correction (NUC)

