



ICI's EZ Deployment Kit is a comprehensive, plug-and-play monitoring solution designed to enhance industrial equipment reliability and minimize unplanned downtime. It is ideal for facilities seeking to take proactive measures against equipment failures, ensuring continuous, efficient operation through real-time data analysis and early warning of potential issues. This base kit includes two ICI FMX 400 P-Series thermal cameras and four Amazon Monitron devices, offering advanced temperature and vibration monitoring capabilities; call for more options. Includes a trial of MSAI Cloud, an innovative software solution powered by AWS, designed to revolutionize remote monitoring, predictive asset reliability, and process control in industrial environments.

Features

- Quick plug-and-play installation and low set-up costs
- Easily integrates with existing systems for seamless condition monitoring
- Detect potential failures in a broad range of equipment
- Provides immediate alerts for abnormal behavior
- Monitor critical equipment, reduce unplanned downtime, and improve operational efficiency
- Provides actionable insights for maintenance teams to address issues before they escalate
- Real-time imaging with secure end-to-end encryption
- Unmatched image sensitivity

Applications

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

Options

- NEMA 4X explosion proof housing
- Standard tripod



EX Deployment Kit

Specifications

Thermal Camera

- **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:** $17\ \mu\text{m}$
- **Focal Length:** 19 mm
- **FOV:** 47° x 35.6°
- **Focus:** electronic
- **Measurement Distance:** lens dependent
- **Spectral Band:** $8\ \mu\text{m}$ - $14\ \mu\text{m}$
- **Thermal Sensitivity (NETD):**
< (40 mK) 0.04°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 ± 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:** IP54
- Internal non-uniformity correction (NUC)
- 1/4"-20 tripod support

Amazon Monitron

- **Operation Range:** -20°C to 80°C (-4°F to 176°F)
- **Default Data Capture Frequency:** once an hour
- **Wireless protocol:** Bluetooth Low Energy 5
- **Dimensions:**
52.8 mm x 43.0 mm x 24.9 mm (L x W x H +/- 0.5 mm)
(2.08" x 1.69" x 0.98" (L x W x H ± 0.02 "))
- **Battery:** Lithium Metal Non-Rechargeable
- **Battery Life:** ~5 years
- **Weight:** 54 g (1.90 oz)
- **Protection:** IP69
- **Mounting method:** Instant adhesive/Epoxy