

# ICI | 9120 P-Series



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# ICI | 9120 P-Series

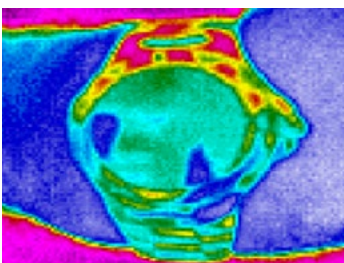
The ICI 9120 P-Series thermal infrared camera has an uncooled FPA Microbolometer with 120x90 resolution. Additionally, the camera is light weight, small in size, and has low power consumption. The 9120's thermal core has a USB interface for easy charge and operation. Applications include scientific research, electronics manufacturing, short range surveillance, fixed temperature measurement, and vehicle mounted surveillance. Comes with IR Flash Software.

## Features

- Sensor Control Module Integration
- Operates in High Humidity
- Can be Fixed Mounted
- USB 2.0 Easy Charge
- Digital Zoom
- Small Size
- Light Weight
- Low Power < 100 mW
- Includes IR Flash Software

## Specifications

- **Detector Array:** UFPA Microbolometer
- **Pixel Pitch:** 25  $\mu$ m
- **Pixel Resolution:** 120x90
- **Spectral Band:** 7  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):**  
< 0.05 °C at 30 °C (50 mK)
- **Frame Rate:** 50 Hz P-Series
- **Dynamic Range:** 14-bit A/D Resolution
- **Temperature Range:** -20 °C to 150 °C
- **Operation Range:** -15 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:**  $\pm$  2 °C
- **Pixel Operability:** > 99 %
- **Dimensions (without lens):**  
41 x 40 x 39 mm (H x W x D  $\pm$  .5 mm)
- **Power:** < 100 mW
- **Weight (without lens):** < 113 g
- Fixed/Manual Focus
- Digital Zoom
- USB 2.0 for Power & Video Out
- **Humidity:** 5 % ~ 95 %, non-condensing



## Applications

- UAV Integration
- Process Control
- Electronics Manufacturing
- Industrial Vision Systems
- Short Range Surveillance
- Vehicle Mounted Surveillance
- Scientific Research
- Fixed Temp. Measurement
- Security Monitoring
- Automotive

## Lens & Software Options

- Lens Options: 3.8 mm
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)
- Sensor Control Module Integration

