

ICI | 9320 C-Series



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We are IR™

ICI | 9320 C-Series

The ICI 9320 C-Series infrared camera offers unmatched image sensitivity and accuracy in a 320x240 imager. With less than 2 in³ in overall dimension the 9320 fits in the tightest of areas. Our ICI 9320 C thermal imaging camera not only integrates into the Sensor Control Module for UAV applications but also it can be mounted to a number of available ICI enclosures which meet NEMA 4 – NEMA 9 specifications; these housings provide protection from harsh weather environments.



Features

- Unmatched Image Sensitivity
- UAV Connectivity
- Multi-Device Linking
- Integrates into Embedded Systems
- Small Size < 2"
- Light Weight
- Low Power

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 320x240
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.02 °C at 30 °C (20 mK)
- **Frame Rate:** 60 Hz P-Series or 9 Hz S-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:** -40 °C to 140 °C
- **Operation Range:** -40 °C to 80 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** \pm 1 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions** (without lens): 34 x 30 x 34 mm (H x W x D \pm .5 mm)
- **Power:** < 1 W
- **Weight** (without lens): 37 g
- USB 2.0 for Power & Data
- Built in Shutter
- Aluminum Enclosure

Applications

- Process Control
- Robotics
- Industrial Vision Systems
- Aerial Imaging
- UAV Integration
- Scientific Research
- Building Automation
- Security Monitoring



Options & Accessories

- 7.5 mm Manual Focus Lens (40° x 30° FOV, +6 g)
- 7.5 mm Athermalized Lens (40° x 30° FOV, +16 g)
- 11 mm Manual Focus Lens (27° x 20° FOV, +20 g)
- 21 mm Manual Focus Lens (15° x 11° FOV, +22 g)
- 19 mm Athermalized Lens (16° x 12° FOV, +36 g)
- 35 mm Manual Focus Lens (9° x 6.7° FOV, +35 g)
- 35 mm Athermalized Lens (9° x 6.7° FOV, +105 g)
- 1/4-20 Bulkhead Mount
- Sensor Control Module

