ICI | INFRARED CAMERAS INC

SENSOR CONTROL MODULE
UAV INTEGRATION HUB

The Sensor Control Module operates with our Mirage series, 8000 series, 9000 series, SWIR series, and visible cameras. The module provides a live camera feed, image capture capability, and more. Fully radiometric image captures offer precise temperature data for analysis. Images taken can be used to create detailed mosaics. The module is designed for use in various aerial applications including precision agriculture, industrial and electrical inspection, and more.

Features

- Compatible with many ICI cameras
- Create detailed mosaics
- Multi-sensor imaging
- Temperature data collection
- CAN bus input for GPS tagging
- High capacity image storage
- Infrared and visible Toggle
- Hot/cold spot tracking
- Adjustable level & span
- On-screen menu and settings configurations
- Low power (< 2 W)
- Toggle between palettes

Applications

- Industrial/pipeline inspections
- Flare inspections
- Bridge pipeline inspections
- Precision agriculture
- Building roof inspections
- Aerial bridge deck
- Highway Delamination inspections
- Search and rescue
- Wildlife management
- Alternative/solar energy inspections
- Optical gas imaging

Specifications

- **Operating System:** Linux OS
- **Processor:** 1 GHz i.MX6 Dual core ARM Cortex-A9
- 3D GPU GC2000 OpenGL ES1.1, 2.0
- **RAM:** 1 GB
- **Operation Range:** 20°C to 60 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity: 5**% to 95% non-condensing
- **Dimensions (without lens):** 95 mm x 60 mm x 28 mm (L x W x H ± .5 mm)
- **Ethernet:** 10/100/1000 Mbps
- **Host Ports:** 2 x USB 2.0
- **Power:** DC 5V, standard Micro-USB power connector
- UBEC Power Interface Cable
- **Operation Time:** 4.5 hours
- **Weight:** 161 g
- **Interface:** 5 or 7 Channel SBUS
- **Video Out:** HDMI, 1080p
- **Memory:** MicroSD card (16 G)
- **mSATA connector:** 26 pin header, Raspberry Pi compatible
- **GPS:** DJI NAZA, A2 and A3
- **Zoom:** digital
- Aluminum enclosure
- Trigger Cable

Options & Accessories

- 8320/8640 P-Series USB cameras
- 9320/9640 P-Series USB cameras
- SWIR 128 P-Series USB cameras
- SWIR 320/SWIR 640 P-Series USB cameras
- IC Mirage series
- Visible and NIR camera
- DC 5V UBEC power adapter
- SBUS Y cable to A2E
- CAN bus cable

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