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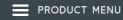


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PRODUCT CATEGORIES / INFRARED / FLIR RADIOMETRIC LEPTON DEV KIT V2



























Previous Versions -

FLIR Radiometric Lepton Dev Kit V2

KIT-15948 ROHS
✓

DESCRIPTION

INCLUDES

FEATURES

DOCUMENTS

- LWIR sensor, wavelength 8 to 14 μm
- 50° HFOV, 60° diagonal
- 80 (h) × 60 (v) active pixels
- Thermal sensitivity <50 mK
- Radiometric accuracy (35°C Blackbody) Greater of:
 - High gain: ±5C @ 25°C Low gain ±10C @ 25°C
- Pixel Size: 17 micrometers
- Frame Rate: 9 Hz.
- Output Format: User-selectable 14-bit, 8-bit (AGC applied), or 24-bit RGB (AGC and colorization applied)
- SPI and I2C camera module interfaces
- Fast time to image (< 1.2 sec)
- Low operating power, nominally 150 mW (< 160 mW over full temperature range)
- Input Voltage of 3V to 5.5V
- 25-MHz reference clock (can be by-passed)
- Power Efficient 1.2V core voltage (can be by-passed)
- Dual Low Noise LDO for 2.8V voltage (can be by-passed)

Tags

BREAKOUT DEVELOPMENT FLIR IMAGING INFRARED KIT LEPTON

FLIR Radiometric Lepton Dev Kit V2 Product Help and Resources

VIDEOS

SUPPORT TIPS



Product Showcase: FLIR Lepton 2.5

JUNE 28, 2018



REVIEWS 0



Comments

We welcome your comments and suggestions below. However, if you are looking for solutions to technical questions please see our Technical Assistance page.

Log in or register to post comments.





Member #1566971 / about a month ago / ★ 1

What is the maximum temperature that this sensor can read?



Santa Claus Impersonator / about a month ago / * 1

Hi there, it sounds like you are looking for technical assistance. Please use the link in the banner above, to get started with posting a topic in our forums. Our technical support team will do their best to assist you.

That being said, a datasheet for the Lepton core is linked on the product page, which is linked under the Documents section above. The range listed, varies based on the gain used for the camera core.

High Gain Mode: -10°C to 140°C Low Gain Mode: -10°C to 450°C

















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In 2003, CU student Nate Seidle fried a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

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