Grove - Thermal Imaging Camera - MLX90614 DCI with 5° FOV



Grove - Single-Point Infrared Thermometer - MLX90614 DCI with 5° FOV

SKU 101020894

PRODUCT DETAILS

Features

- Single-point medical-grade infrared temperature sensor (MLX90614)
- Wide temperature measurement range (-70°C~380°C)
- Narrow field-of-view (5°) for accurate measurements
- I2C Grove interface for easy communication with an MCU

Description

This Infrared Thermometer module is equipped with a single-point medical-grade infrared temperature sensor (MLX90614), which can detect the temperature of objects with an accuracy of ± 0.2 °C in the body temperature range. At room temperature, the surface temperature of the measured object can reach an accuracy of ± 0.5 °C in a wide range. The module can use the I2C protocol to obtain data from the camera. The field of view (FOV) of this sensor is 5°, the temperature measurement range is -70°C ~ 380°C, and the working temperature is that the sensor's Ta value is between -40°~85°.

Specifications

| Specification | Details |
|------------------------------|---------------------------------|
| FOV | 5° |
| Measurement accuracy | ±0.2°C |
| Measuring range | -70°C~380°C(object temperature) |
| Senser operating temperature | Ta is between -40°~85° |
| Refresh Rate | 0.5Hz ~ 64Hz |
| Interface | I2C |
| Voltage | 3.3V-5V |
| Current | ~18mA |

Part List

1 x Grove - Thermal Imaging Camera - MLX90614 DCI IR Array with 5° FOV

ECCN/HTS

HSCODE 9031900090

UPC