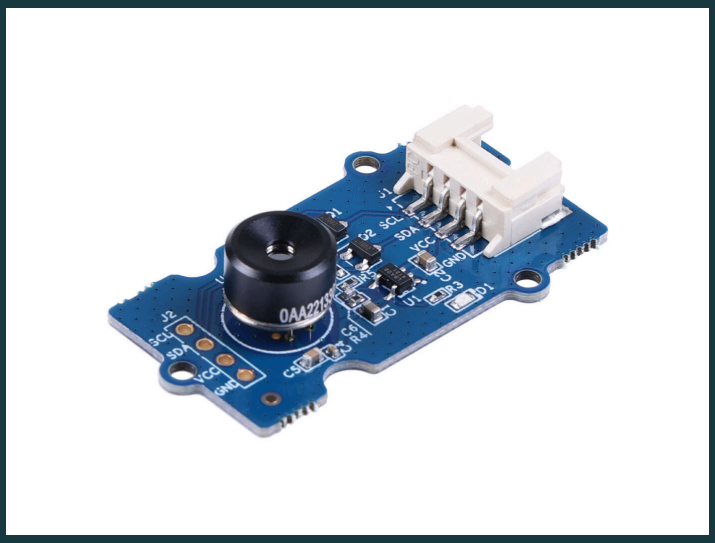
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Grove - Thermal Imaging Camera / IR Array MLX90640 110 degree

MLX90640-based thermal camera with 110° FOV, -40℃~300℃ range, and Grove I2C connectivity.

SKU	UPDATED	PRICE
114020142	2026-04-15 07:43:57	$49.90(Excl. VAT)



Overview

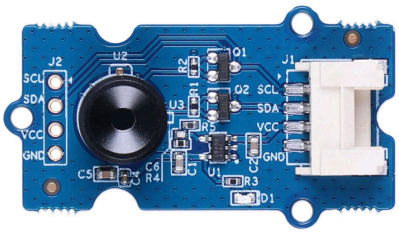


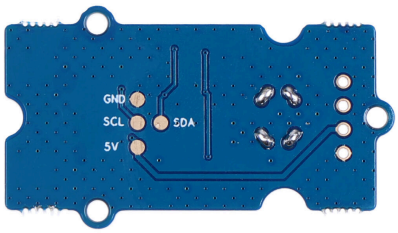
The Grove - Thermal Imaging Camera features the MLX90640 IR array with 32x24 pixel resolution and a 110°x75° field of view. It measures temperatures from -40℃ to 300℃ and connects via an I2C Grove interface for easy integration.

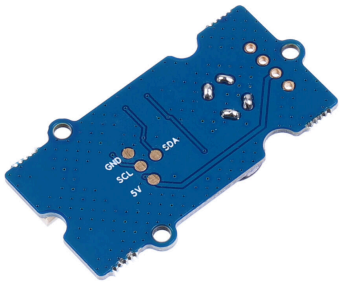
Key Features

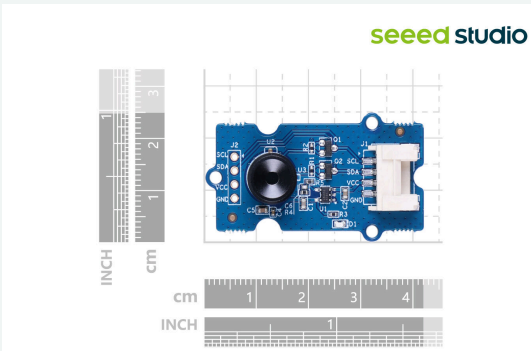
- IR Thermal Sensor Array 32X24(MLX90640)
- 110°x75° FOV(field of view)
- Temperature measurement range:-40℃~300℃
- I2C Grove interface

Product Gallery









Specification

Items	Grove - Thermal Imaging Camera - MLX90640	Grove - Thermal Imaging Camera - MLX90641
Thermal sensor	32X24 array MLX90640	16x12 array MLX90641
Operating Voltage	3.3V - 5V	3.3V - 5V
Current Consumption	~18mA	~18mA
Field of View	110°x 75°	110°x 75°
Measurement Range	-40°C-300°C	-40°C-300°C
Resolution	±1.5°C	±1.5°C(±1°C at centre area)
Refresh Rate	0.5Hz-64Hz	0.5Hz-64Hz
Interface	I2C Grove interface	I2C Grove interface
I2C Address	0x33	0x33

Compliance & Logistics

HSCODE	9031900090
USHSCODE	9031902100
UPC	
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-Thermal-Imaging-Camera-IR-Array-MLX90640-110-degree-p-4334.html
- MLX90640 datasheet
- PCN

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