

INFRARED (IR) ARRAYS

MLX90641-MLX90642

Experience detailed thermal imaging with our infrared array. Featuring best-in-class SNR, multiple FOV options, and factory calibration, the MLX90642 & MLX90641 deliver precise temperature mapping for a wide range of applications.



Key features

- ✓ Contactless technology with immediate response
- ✓ Thermal stability
- ✓ Factory calibrated
- ✓ Multiple Array options: 16x12, 32x24
- ✓ Multiple Field of View (FoV) options: 45°x35°, 55°x35°, 110°x75°
- ✓ Easy to integrate with onboard temperature calculation
- ✓ I²C compatible digital interface
- ✓ 3.3 V supply voltage
- ✓ Measurement object temperature from -40 and up to +300 °C
- ✓ RoHS-compliant package 4-pin TO39

Highlights

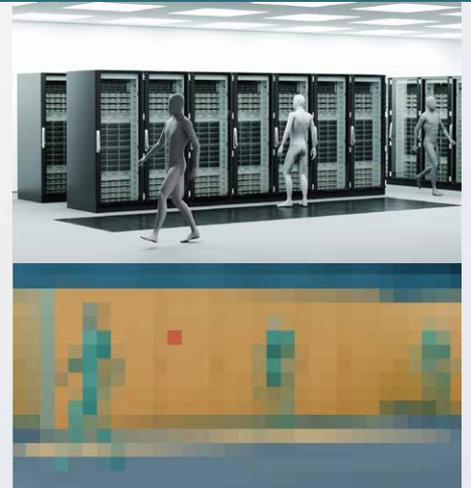


	MLX90641	MLX90642
Array	16x24	32x24
Operating temperature	-40°C to 125°C	-40°C to 85°C
Applicable market	automotive industrial consumer	industrial consumer
Special	/	best-in-class SNR

Thermography imager



Finger counting: 2



Fire detection: 1
People detection: 3

Applications

Markets

- Smart cooking
- HVAC & thermal comfort
- Automotive
- Smart building

Functions

- Temperature monitoring
- Hot spot detection
- People detection
- Gesture recognition
- Fire detection & safety



www.melexis.com/temperature-sensor-ics