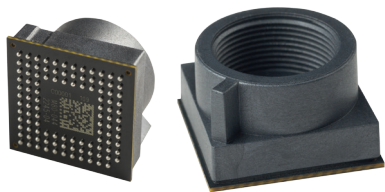


Thermal Image  
Sensors

# MICRO80Gen2™

80 x 80



## NEW EXPERIENCES IN THERMAL IMAGE SENSORS

Micro80Gen2 leverages the very best of first generation 80x80 format thermal image sensors and introduces valuable new features that are unique in the field of large-volume thermal image sensors.

The Micro80 Gen2 thermal image sensor combines a full range of features, offering unlimited potential to create new thermal imaging experiences.



SMART  
BUILDINGS



SMART  
LIGHTING



SURVEILLANCE



UAV



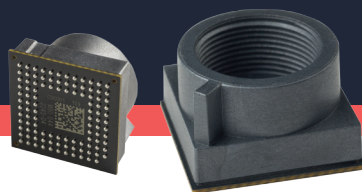
THERMOGRAPHY

- + SEAMLESS INTEGRATION
- + OUTSTANDING BATTERY LIFE
- + ADVANCED PERFORMANCE
- + PROVEN RELIABILITY



# MICRO80Gen2™

80 x 80



**NEW EXPERIENCES  
IN THERMAL  
IMAGE SENSORS**

PRODUCT NUMBER: **M80-044**

## READY FOR HIGH VOLUME PRODUCTION

### SEAMLESS INTEGRATION

- Flexible configuration for versatile application
  - Full access to sensor features (I<sup>2</sup>C and HSync/VSync clocking)
  - Lens holder (M10) compatible with a field of view from 10° to 120°
  - Frame rate from 1Hz to 100 Hz
- Surface Mount Device BGA (Ball Grid Array)
  - compliant with JEDEC's reflow and handling standards : J-STD-020E and J-STD-33B
- Simplified image processing
  - TEClass, Shutterless compatible
  - Full digital

### OUTSTANDING BATTERY LIFE

- Low power consumption < 55 mW in digital mode whatever the frame rate

### ADVANCED PERFORMANCE

- Thermal sensitivity < 100 mK (F/1, 300K, 30Hz)
- Extended operating temperature [-40°C; +85°C]

### PROVEN RELIABILITY

- Designing our products in Europe
- OTD (On-time deliveries) > 99.9 %
- Pixel Array operability > 99.5 %
- MTTF > 15 years
- Standards: MIL-STD-810 and -883



Exclusive Distributor North America

**Lynred USA**

373 Route 46W

Fairfield, NJ 07004 USA

Phone: 973-882-0211

Fax: 973-882-0997

Email: [info@lynred-usa.com](mailto:info@lynred-usa.com)

