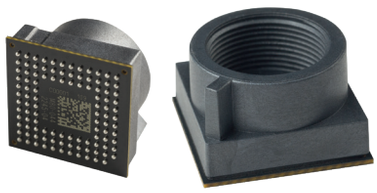
MICRO80Gen2™

80 x 80



NEW EXPERIENCES IN THERMAL IMAGE SENSORS

SMART BUILDINGS

SMART LIGHTING

SURVEILLANCE

UAV

THERMOGRAPHY

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.

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

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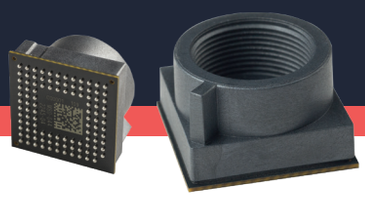
Thermal Image Sensors

MICRO*80*Gen2 ™

80 x 80

NEW EXPERIENCES IN THERMAL IMAGE SENSORS

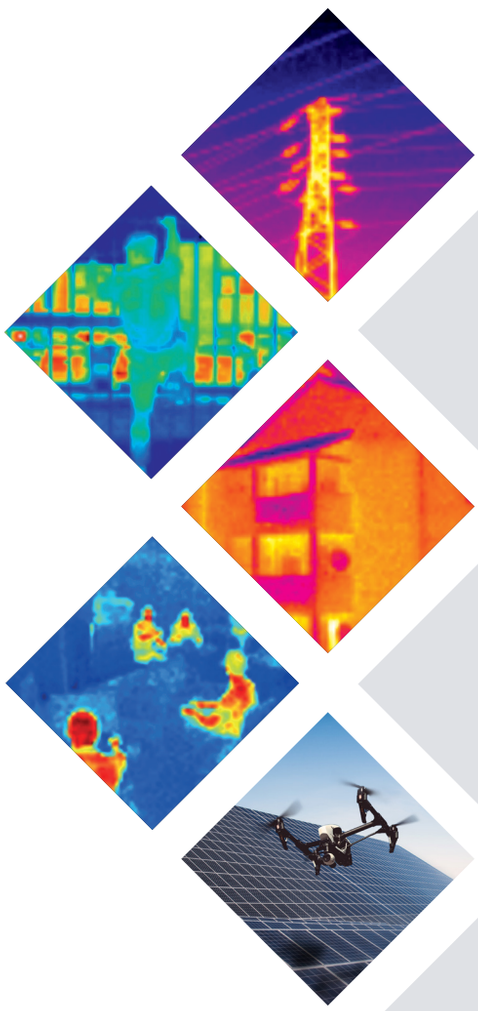


PRODUCT NUMBER: **M80-044**

READY FOR HIGH VOLUME PRODUCTION

SEAMLESS INTEGRATION

- Flexible configuration for versatile application
  - *Full access to sensor features (I²C 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
  - *TECless, Shutterless compatible*
  - *Full digital*



OUTSTANDING BATTERY LIFE

- Low power consumption < 55 mW in digital mode wathever 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

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