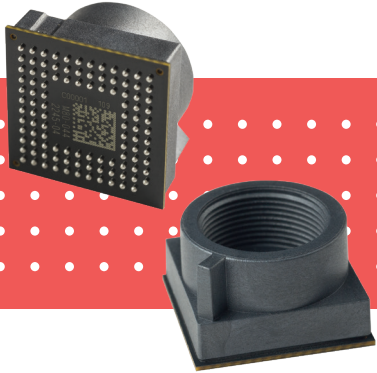


**LYNRED**  
BY SOFRADIR & ULIS



The thermal image sensor, Micro80Gen2, is specially designed for high volume production.

It combines a full range of features, offering a solution for versatile applications.



# MICRO80Gen2

80 x 80

## A FULL DIGITAL SURFACE MOUNT DEVICE DEDICATED TO ENTRY LEVEL APPLICATIONS



SEAMLESS INTEGRATION



OUTSTANDING BATTERY LIFE

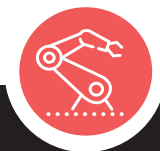


PROVEN RELIABILITY

SURVEILLANCE



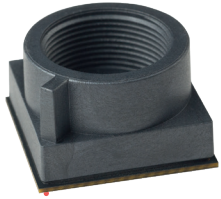
INDUSTRY



ORDERING REFERENCE: M80-044

# •• A FULL DIGITAL SURFACE MOUNT DEVICE DEDICATED TO ENTRY LEVEL APPLICATIONS ••

## Micro80Gen2



### 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 100Hz

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 whatever the frame rate

### ADVANCED PERFORMANCE

Thermal sensitivity < 100 mK (f/1, 300K, 30Hz)

Extended operating temperature [-40°C; +85°C]

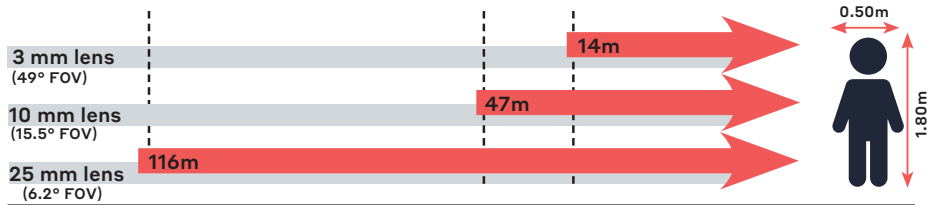
### PROVEN RELIABILITY

Pixel Array operability > 99.5 %

MTTF > 15 years

Standards: MIL-STD-810 and -883

### Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target deltaT = 2K, perfect atmospheric and optics transmissions, theoretical square pixel.



COMPACT



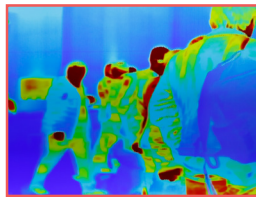
FULL DIGITAL



LOW POWER CONSUMPTION



SEAMLESS INTEGRATION



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