



**For Immediate Release**

## **ULIS launches Micro80 Gen2™ thermal sensor aimed at large-volume applications**

**Improved 80x80 sensor optimized for easy integration into assembly processes for mass production**

**ULIS will display Micro80 Gen2™, first thermal sensor designed with a Unique Wafer Level Packaging, during CIOE in Shenzhen, China, September 6 – 9, 2016**

**Veurey-Voroize, near Grenoble, France, September 6, 2016** - ULIS, a manufacturer of innovative thermal sensors for the surveillance, thermography, firefighting, outdoor leisure and automotive markets, announces today the availability of Micro80 Gen2, an advanced functionality thermal sensor.

The fully digital Micro80 Gen2 not only supports standardized interfaces (i.e. I2C and HSync/VSync clocking), it also contains a series of improved characteristics, which make it ideal for large-volume applications and for easy integration into assembly processes.

It features novel packaging solutions by being the first Ball Grid Array (BGA) infrared sensor box packaged in a JEDEC tray. It is designed using a Unique Wafer Level Packaging (UWLP) with vacuum technology; this allows it to support optical fields of up to 120°. It is the first infrared sensor with a unique plastic lens holder, eliminating the need for the user to develop its own, thus saving time and lowering costs.

The new Micro80 Gen2 consumes less than 55mW. This further extends the battery life and the operating temperature range (-40°C to +85°C), while being more compact and lighter than earlier models. It supports a broad spectrum of frame rates (from 1Hz to 50 Hz) and allows vision up to 150 meters.

"These new and improved features of the Micro80 Gen2 address the needs of large-volume production processes. This means that it is not only ideal for the low-resolution thermography and short-distance surveillance markets, but can also open up new industries for ULIS," said Cyrille Trouilleau, product manager at ULIS. "The introduction of these novel characteristics is the first step towards the widespread use of thermal sensors in smart building management systems."

ULIS' new Micro80 Gen2 multifunctional thermal sensor offers reliability thanks to the 80x80 pixel ratio. It can distinguish humans from animals or robots in all-weather and lighting conditions, 24/7 – without compromising privacy. This makes it ideal for occupancy detection in connected buildings, amongst other potential applications.

ULIS will exhibit Micro80 Gen2 at one of the world's largest optoelectronics events: [CIOE](#) in Shenzhen, China, September 6 – 9 at Booth #1D03.

At the Executive Imaging Infrared Forum, part of CIOE, Cyrille Trouilleau, product manager at ULIS, will hold a presentation about the use of ULIS' products in smart buildings. Further information about the presentation can be found at: <http://www.i-micronews.com/ir-imaging-forum-agenda.html>.

**About ULIS**

ULIS, a subsidiary of Sofradir, specializes in designing and manufacturing innovative thermal image sensors for commercial and defense applications. It enables makers of consumer electronics and infrared equipment to produce low weight, low power consumption and cost-effective thermal cameras in high volume.

Founded in 2002, ULIS has grown to become the second largest producer of thermal image sensors (microbolometers). It offers a targeted range of microbolometers that are the key component of many top brands in thermal imaging equipment sold across Europe, Asia and North America. ULIS is active in the surveillance, thermography, firefighting, defense and outdoor leisure markets. Hundreds of thousands of its products are used to detect threats and thereby protect property, industrial sites, national borders and commuter systems as well as military personnel in combat zones. Other professionals choose thermal image devices equipped with ULIS' products due to the affordability and quality of ULIS' technology for mainstream commercial applications and the company's expertise. Size, weight, low power consumption and cost reductions drive ULIS innovations, enabling the company to address new trends in smart buildings, road safety and in-cabin comfort of vehicles. ULIS is located in Veurey-Voroize, near Grenoble.  
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