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ULIS' Pico640 Gen2 selected in Thermoteknix's new miniature thermal imaging equipment for portable military applications

ULIS' new SWaP-enhanced thermal imaging sensor brings power consumption efficiency and performance to Thermoteknix's MicroCAM™ 3 Thermal Imaging Module

MicroCAM 3 with Pico640 Gen2 will be demonstrated at SPIE Defense & Security in Baltimore (US), April 21 – 23, 2015

SPIE DSS, Baltimore (MD) USA, April 21, 2015 – ULIS, a leading manufacturer of thermal image sensors, announces today its selection of Pico640 Gen2 in Thermoteknix System's MicroCAM 3, a new micro-weight thermal imaging core. Pico640 Gen2 is a thermal imaging sensor offering important advantages to portable military systems. Pico640 Gen2 and MicroCAM 3 take the size, weight, power and performance of thermal imaging to new levels, making the technologies highly suitable for handheld, battery-powered head-mounted and weapons-mounted systems.

ULIS will display its range of Pico brand products at SPIE Defense & Security in Baltimore (US), at booth #811, April 21 – 23, 2015. MicroCAM 3 with Pico640 Gen2 will be demonstrated on Thermoteknix's booth #308.

SPIE DSS gathers 6,000 scientists, researchers, program managers and company representatives to discover new technological developments and conduct business within the electro-optical and imaging communities.

"Thermoteknix has always been at the forefront of SWaP efficient thermal imaging sensor technologies. ULIS' new Pico640 Gen2 sensor is a key factor in our ability to develop the new MicroCAM 3 platform for cost-competitive customer needs," said Dr. Richard Salisbury, managing director of Thermoteknix Systems Ltd. "By combining recent advantages in FPGA technology with the Pico640 Gen2 detector we have been able to make substantial improvements in both power consumption and imaging performance; while minimizing the size, weight and form factor of the new MicroCAM 3 which are ideally suited to Thermoteknix shutterless patented XTi imaging."

Pico640 Gen2's low power consumption at 130mW with a 60Hz frame rate appealed to Thermoteknix in addressing SWaP (Size, Weight and Power) reduction needs in head mounted applications.

"ULIS has an ever growing track record of providing customers with trusted military-grade thermal imaging performance. Our Pico brand products are already deployed in European and North American airborne and vehicle applications, and in anti-surface missile programs," said Jean-François Delepau, managing director of ULIS. "The Pico640 Gen2 is available in standard and military-grade formats. It optimizes thermal imaging

for military applications while simplifying thermal imaging for professional security and surveillance cameras. Thermoteknix' demonstration of MicroCAM 3 at SPIE DSS enables attendees to see excellent ULIS thermal image quality with remarkable SWaP performance."

Thermoteknix Systems Ltd is a long established developer of high-end thermal imaging modules and cameras.

Pico640 Gen2, a VGA/17µm thermal image sensor, targets military applications where SWaP is critical, such as thermal weapon sights and handheld thermal imagers. This has been achieved by upgrading the uniformity of the pixel technology to heighten image quality. Overall performance is enhanced through NETD (Noise Equivalent Temperature Difference) below 40mK and frame rates up to 120Hz. The reliability and robustness of Pico640 Gen2 to withstand harsh environments and operate for the full duration of a military program have been assured with a 10-year guarantee against vacuum loss.

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About Thermoteknix Systems Ltd.

Founded in 1982 and with 30 years of consistent technical breakthroughs in infrared (IR) thermal imaging and thermal measurement based hardware, systems and software, Thermoteknix has been driven by reliably taking care of our customers' most challenging needs. Recognized in 1998 by the prestigious "Queen's Award For Export Achievement", and by the "Queen's Award for Enterprise (Innovation)" in 2008, Thermoteknix is one of the world's leading sources of thermal imaging expertise and excellence.
www.thermoteknix.com

About ULIS

ULIS, a subsidiary of Sofradir, specializes in the design and manufacture of high quality thermal image sensors for commercial and military applications. It enables makers of consumer electronics and infrared equipment to produce low weight, low power consumption and cost-effective thermal cameras for deployment in everyday use.

ULIS is the second largest producer of thermal image sensors (microbolometers). ULIS offers a targeted range of microbolometers that are the key component of many of the top brands of thermal imaging equipment sold across Europe, Asia and North America. ULIS is active in security and surveillance, energy management and in the thermography, defense and automotive markets. Hundreds of thousands of its products are used to detect threats and thereby protect property, industrial sites, national borders, commuter systems as well as military personnel in combat zones. Many other professionals are increasingly choosing thermal imaging devices equipped with ULIS' products due to the excellent performance of ULIS' technology and its affordability for mainstream commercial applications. Size, weight, low power consumption and lower cost reductions drive ULIS innovations enabling the company to address new trends in energy efficiency for building automation and advanced driving assistance systems for vehicles. ULIS is located in Veurey-Voroize, near Grenoble, France.
<http://www.ulis-ir.com>

Media & Analysts Contact:

ANDREW LLOYD & ASSOCIATES
Carol LESLIE / Agnes KEMPF
carol@ala.com / agnes@ala.com
+33 (1) 56 54 07 00
+33 (9) 52 20 16 16