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ULIS talks on new developments in VGA infrared imaging sensors at SPIE Defense, Security & Sensing Conference 2011

ULIS' technical paper: "VGA 17 micron developments for compact, low power systems" will reveal sought after performance improvements for compact, low power consumption imaging systems

ULIS will showcase its new Video Graphics Array (VGA) product at booth N°503.

Veurey-Voroize, France, April 18, 2011--ULIS, a manufacturer of high quality infrared imaging sensors for thermography, security, automotive and military applications, announced today that Jean-Luc Tissot, technical director of ULIS, will present: "VGA 17 micron development for compact, low power systems" at the SPIE Defense, Security and Sensing symposium, April 25 - 29, in Orlando, Florida. SPIE is the international society advancing optronics and light-based research.

System engineers designing lightweight thermal imaging equipment for military applications are delighted when they can use compact vision systems with higher spatial resolution and higher contrast, but also lower power consumption. An infantryman typically carries between 50lbs to 90lbs of gear. Batteries can be relatively heavy, so system designers try hard to lower the power consumption of devices.

Mr. Tissot will show that the results achieved from new developments in ULIS' IR imaging sensors (uncooled microbolometers based on amorphous silicon technology), including new packaging techniques, will pave the way for more compact, low power imaging systems. A soon-to-be announced new VGA 17 micron IR imaging sensor from ULIS aims to address these needs.

"We are delighted to be presenting our latest developments in infrared imaging sensors at SPIE, and to have this opportunity to illustrate our increasingly expanding role in the defense and security area," said technical director Jean-Luc Tissot. "ULIS, in collaboration with leading micro- and nanotechnology research center CEA-Leti, has accumulated a high level of expertise in uncooled microbolometers made from amorphous silicon technology. This enables us to develop video quality infrared imaging sensors in large format with 17 micron pixel pitch. We look forward to sharing the new levels of performance achieved in high spatial resolution, high sensitivity, wide electrical dynamic range, high uniformity, and high pixel operability with our colleagues in the defense, security and scientific community."

SPIE is one of the defense & security industry's leading meetings for light-based applications, and brings together top researchers, scientists and engineers from the military, industry and academia. Programs cover the latest enabling technologies and applications in infrared, sensors, image analysis, and other systems and devices.



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About ULIS

ULIS, a subsidiary of Sofradir, specializes in the design and manufacture of high quality infrared imaging sensors for thermography, security & surveillance, automotive and military applications. It enables makers of consumer electronics and infrared equipment to produce low weight, low power consumption and cost-effective thermal cameras in large volume.

ULIS is ranked #3 in the world for uncooled infrared (IR) sensors delivered. The company achieves large-scale production due to its amorphous silicon technology, a robust and reliable semiconductor material proven for its industrial production capacity of 200,000 per year. It is the only company out of the top four in the world to use this amorphous silicon-based technology to make IR imaging sensors.

ULIS is located in Veurey-Voroize, near Grenoble, and employs 120 people. For more information, visit: <http://www.ulis-ir.com>