

PRESS RELEASE

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Thermoteknix Launch MIRICLE[®] 640 x 480 VGA resolution miniature infrared camera with 25 micron pitch

Thermoteknix announce its latest innovation in thermal imaging which was launched in the USA at the SPIE Defense & Security Symposium in Orlando, Florida - April 19th, 2006. The MIRICLE[®] 307K is expected to be the most exciting infrared camera of the year incorporating the highest resolution uncooled alpha-Silicon long wave microbolometer detector in the world's smallest camera package. Measuring just 1.5 inch cube, this breakthrough technology is aimed at both commercial and military applications where its VGA resolution, ultra-compact size and rugged, environmentally protected housing are perfect for Forward Looking Infrared (FLIR), ground and portable surveillance and security systems.

The MIRICLE 307K joins the Thermoteknix MIRICLE 110K family of uncooled miniature thermal imaging cameras where its 640 x 480, 307,200 pixel detector with 25 micron pitch extend the scope, range and applications of today's fast growing security and surveillance markets. Offering greater detection at further distances and with smaller and lower cost optics, the MIRICLE 307K produces outstanding imagery in total darkness, unaffected by smoke or fog. Its fourfold increase in pixel power over the industry standard 320 x 240 detector based cameras produces spectacular quality imaging in a miniature camera.

In common with the MIRICLE infrared camera range, the MIRICLE 307K will be available in a choice of housings including hermetically sealed, gas purged and ruggedized for unattended field or aerial use. Flexible lens arrangements include bayonet interchangeable and threaded mounts with lens options from wide angle to telephoto and dual field of view available.

The MIRICLE 307K will be available in fully assembled camera units for end-users as well as a range of custom engine and core configurations, including Thermoteknix' unique silent, low profile shutter, for OEM, system designers and integrators.

Thermoteknix MIRICLE electronics provide automatic non-uniformity correction, a range of auto-gain algorithms to suit different types of terrain as well as real-time spatial filtering and image processing for rapid feature identification within the camera itself. A choice of digital and analog outputs complete the package to meet application needs.

"The MIRICLE 307K 640 x 480 thermal imaging camera is an outstanding achievement in size and performance without compromise. It sets a new standard in thermal imaging and will be the camera of choice for many of the growing needs of the military, industrial, surveillance and security markets" said Thermoteknix Managing Director, Dr. Richard Salisbury.

Thermoteknix Systems Ltd is based in Cambridge, England and has been at the forefront of thermal imaging since 1982.

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For further information, please contact:

Thermoteknix Systems Ltd, Teknix House, 2 Pembroke Avenue, Waterbeach, Cambridge, CB5 9QR, United Kingdom Tel: +44 (0)1223 204000 Fax: +44 (0)1223 204010
Email: sales@thermoteknix.com Web: www.thermoteknix.com