



Press Release

August 2010

FOR IMMEDIATE RELEASE

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Thermal Cameras for Industrial Automation Applications

Northwich, Cheshire, 9th August 2010. Kane Computing Ltd (KCL) are now supplying thermal cameras for demanding industrial automation and inspection applications.

Whilst machine vision can see a production problem, it cannot detect thermal irregularities. Infrared imagery provides much more information to production specialists and decision makers. Indeed, for non-contact precision temperature measurement there is nothing to equal infrared. It adds a new dimension to machine vision and is the perfect solution for applications involving non-contact precision temperature measurement and non-destructive testing.

Problems can occur at any time. In most cases, it will not be possible to see the problem with the naked eye or to quickly spot potentially harmful temperature variations. For many applications such as the production of parts and components for the automotive or electronics industry, this data is critical.

Infrared cameras are now available that come with an impressive array of key features, such as, power over Ethernet, MPEG4 streamed video, built-in analysis functionality and automatic messaging via email.

KCL have chosen the FLIR A-Series IR cameras as their preferred thermal camera range and are working as a tier 2 reseller with FLIR.

FLIR A-Series infrared camera systems are affordable and accurate solutions for machine vision and automation systems that require non-contact imaging and temperature measurements. They are a complete machine vision and remote monitoring system that immediately identify thermal problems that would otherwise go undetected. The built-in logic makes it ideal for safety/security systems, and for product and process monitoring in quality/reliability assurance programs.

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The FLIR A-Series is the first thermal camera range to be GigE Vision™ and GenICam™ compatible, a feature that significantly cuts down integration time. Until now this capability has only been available on visual cameras. The camera is fully controlled from a PC and come with a choice of software for easy configuration and monitoring. The A-Series package is designed to get you up and running quickly and efficiently, allowing you to receive high speed, real time images of your productivity hotspots.

In the Automotive industry there is a multitude of production processes that involves heat or heat patterns generation that needs to be monitored and quality checked. Typical methods are welding, gluing with pre-heated glue, thermoforming, molding and die casting.

Another application where infrared cameras can be used is PCB checking where anomalies in the thermal patterns can be detected when the PCB is powered up after the final assembly. This type of testing is most important for industries dealing with high reliability electronics or power electronics where hot spots can indicate a case of a possible early failure.

About Kane Computing Ltd.

KCL (www.kanecomputing.co.uk) have been supplying video development, video compression and video conversion and network management products to the Broadcast Industry for a number of years. KCL works with major suppliers of this technology including ATEME, Vitec, Skyline, Microtronix, TV One and Anystream. KCL has a policy of continual improvement and operates its business in accordance with the requirements of ISO9001:2000. KCL is also approved under the Investors in People programme.

About FLIR

FLIR Systems Inc (www.flirthermography.com) (NASDAQ: FLIR) is a leading manufacturer of innovative imaging systems that include infrared cameras, aerial broadcast cameras and machine vision systems. Our products play pivotal roles in a wide range of industrial, commercial and government activities in more than 60 countries. Pioneers in the commercial infrared camera industry, the company has been supplying thermography and night vision equipment to science, industry, law enforcement and the military for over 50 years.

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