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## Intelligent High Resolution Machine Vision Cameras from KCL - April 2010

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### New Distribution Agreement

KCL has signed an exclusive UK Distributor Agreement to sell Camelot™ intelligent machine vision cameras in the UK.



[More Information](#) ▶

### Camelot™ USB Camera Range

Camelot™ digital cameras capture, process and deliver low cost machine vision solutions suitable for mass production applications, harnessing the power of an embedded Blackfin Digital Signal Processor (DSP). Sensors are available to match all applications ranging from WVGA (752x480) up to 9Mpixels (3458x2616).



[More Information](#) ▶

### Camelot™ Connectivity Options

Versatile connectivity options allow you to design the camera around the project not the project around the camera, ensuring full adaptability and project flexibility. Camelot™ cameras support various connectivity options, including USB, Ethernet, Bluetooth and Wi-Fi.

### Camelot™ Evaluation Kits

Evaluation Kits are available for every Camelot™ camera version. The kits include camera, lens, mounting fixture and software including drivers, examples, executables, dynamic link library and ActiveX software for running DirectShow versions. There is also an API providing full control over the Camelot™ cameras to be able to them into 3rd party applications.



API Functions

**More Information** ▶

User Manual

**More Information** ▶

### Camelot™ Camera Features

The processor-centric architecture transfers real-time image data from the module's sophisticated on-camera sensor directly to the Blackfin BF548 high performance DSP for processing. 64Mbytes of system DDR buffer memory stores enough image data to prevent data losses, and Blackfin's high-speed 480 Mb/s USB 2.0 connection streams live (30 FPS at 1.3MPixels) pre-processed video to a host PC. Meanwhile, the Blackfin's system-level 8/16 bit Host DMA Interface speeds data movement through the system.



**More Information** ▶

### Case Study - Hand Held Medical Device

A Camelot™ camera is being used in a new hand-held medical diagnosis device for detecting Malaria that reduces user error resulting in lower mis-diagnosis and improved treatment.



**More Information** ▶

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