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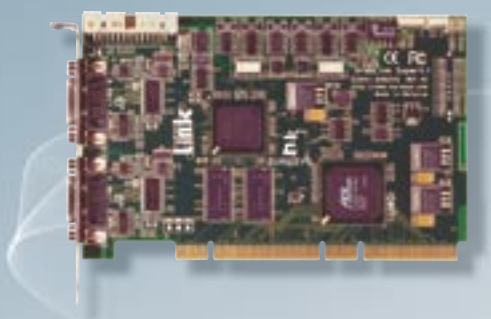
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GRABLINK Expert 2™

Increased Performances

Wide PCI, high-performance digital acquisition

Dual Base or Medium configurations
48 bits at 66 MHz
16-MByte on board memory
Form factors: desktop PCI 64-bit 66 MHz bus
Compact PCI 64-bit 66 MHz bus

The **EureCard Grablink Expert 2** is a Camera Link frame grabber for **demanding industrial applications**. Supporting the **Base or Medium configurations**, it can be connected to **one or two cameras**. The GrabLink Expert 2 is a **64-bit, 66 MHz PCI bus** frame grabber. Each camera delivers images at a maximum speed of 66 MHz over the data paths towards the on board memory.

Support of dual Base or Medium configurations

Grablink Expert 2 is a Camera Link compatible frame grabber fitted with **two Camera Link connectors**. It acquires images simultaneously and independently from two line-scan or area-scan digital cameras in a **dual Base configuration**. Grablink Expert 2 also supports one camera in the **Medium configuration**. It supports various types **of cameras**:

NUMBER OF CAMERAS	Monochrome single-tap	Monochrome dual-tap	RGB triple-tap	Monochrome quad-tap	Monochrome octal-tap
Base configuration	two (8 to 16 bits)	two (8 to 12 bits)	two (8 bits)		
Extended Base configuration*				two (8 to 12 bits)	
Medium configuration			one (10 to 12 bits)	one (8 to 12 bits)	
Extended Medium configuration*					one (8 to 12 bits)

* Multiplex tap. Preliminary feature

NEW Form factors



The EureCard Grablink Expert 2 is available in two form factors, PCI and cPCI. Both are designed for high-speed acquisition with a 64-bit, 66 MHz PCI bus. The Compact PCI board (cPCI) serves the purpose of the **industrial applications**. This particular form factor brings a **high resistance to shocks and vibrations** thanks to the **rugged packaging** and the **high-density pin-and-socket connection to the PC**. Besides, cPCI PCs offer many more slots - in the 33 MHz configuration up to height slots are available-.

Increased performances

The Grablink Expert 2 offers a high bandwidth allowing to transfer images from **even more demanding cameras**.

Serial control of cameras

The EureCard Grablink Expert 2 supports two Camera Link pseudo **RS-232 serial lines**. The application software can use the Camera Link API functions to control the camera. Alternatively, the serial lines can be **configured as additional PC COM ports** ensuring interoperability with existing camera control software.

On board memory

Grablink Expert 2 incorporates a **16-Mbyte** on board memory. Clocked at 100 MHz, it provides a throughput of 800 Mbytes/s implementing a **huge FIFO for each camera**.



I/O lines

Grablink Expert 2 PCI is delivered with an auxiliary I/O board implementing the trigger and strobe facilities. The bracket is fitted with two connectors. On the female DB9 connector, system components (such as a motion encoder) benefit from **isolated I/O lines and power supply. TTL trigger and strobe lines** are available on a female DB25 together with **16 fully programmable general-purpose I/O lines**. On the Grablink Expert 2 cPCI, the two I/O connectors, DB 25 and DB 9, are located directly on the front panel.

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