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SITE MAP

LINKS

WHERE TO BUY

- GRABLINK series
- GRABLINK Value
- GRABLINK Expert 2
- MultiCam Driver

- GRABLINK data sheet
- Interfacing cameras



Wide PCI, high-performance digital acquisition

The **EureCard Grablink Expert 2** is a Camera Link frame grabber for **demanding industrial applications.** Supporting the **Base or Medium configuration**, 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.

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

Support of dual Base or Medium configuration

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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