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TECHNOLOGY GROUP

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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
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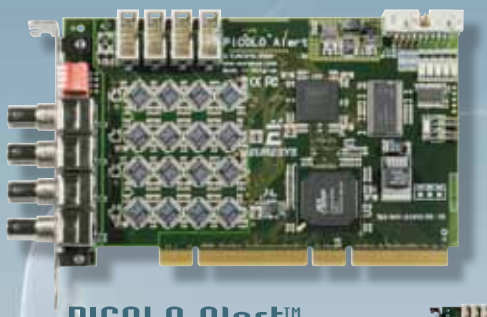
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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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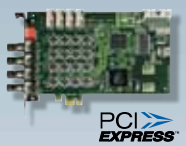


PICOLO Alert™ boards

Ultra-fast Multiple-channel Video Capture Boards

***16 video inputs** - 200 / 240 fps constantly available*
***Simultaneous capture and preview functions** - Proprietary video-surveillance FPGA -*
***Form factors:** **Conventional PCI** 64 bit, 66 MHz, 3V or 5V signaling*
***PCI Express** Full-height, half-length, x1*

PICOLO Alert™ PICOLO Alert PCIe™



Video input connectors

4 BNC on the board bracket

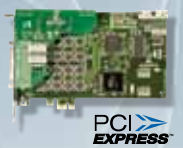
4 internal on-board headers

VEB -Video Expansion Brackets- compatible

- 12 additional inputs connected internally with 3 VEB
- 4 cameras connected on the board BNC connectors



PICOLO Alert Compact™ PICOLO Alert Compact PCIe™



One compact HD-44 video connector

On the bracket:

- 16 video inputs
- Compatible with the Picolo Tymo HD-44 connector
- A Spider Cable, equipped with an HD44M and BNC connectors, is available separately on request for a straightforward evaluation of the board.



Equipped with the Euresys video-surveillance FPGA, they are able to acquire images from up to sixteen independent cameras with a total digitizing power of 200 / 240 fps constantly available. The user is free to share this digitizing power between the sixteen channels, according to the requirements of the application.

16 Video Inputs

200 / 240 fps constantly available

This is not a peak value! As a unique feature, the Alert boards offer the ability to share a total digitizing power of 200 / 240 fields per second (100 / 120 ips) among the sixteen video channels without switching delay.

PAL / NTSC cameras	4-camera configuration		16-camera configuration	
	/board	/camera	/board	/camera
Cif/s or Field/s	200 / 240	50 / 60	200 / 240	12.5 / 15
Image/s	100 / 120	25 / 30	100 / 120	6.25 / 7.5

- **Automatic removal of interlacing artefacts in field mode**
- **A large frame store** for an automatic and smooth regulation of the frame rate in case of a system overuse of the PCI bus. This frame store also ensures a non disruptive image delivery to the PC memory regardless of PCI bus latencies.
- **Stable images regardless of video parity**: thanks to the Euresys video-surveillance FPGA, the Picolo Alert boards process the acquired images on the fly eliminating all issues related to the parity management without requiring any processing power from the PC.

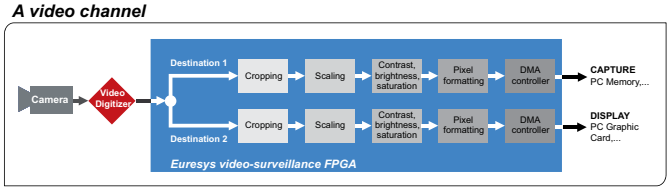
An independently programmable frame rate and acquisition parameters for each video input

The user is able to choose the applied frame rate according to the requirements of the application. A maximum of four real-time channels can run simultaneously. The image acquisition is fully configurable for image resolution, pixel size, cropping, scaling, contrast, brightness, saturation, storage format… The commonly used size formats are predefined: **QCIF, CIF, Field** and **Frame**, with **square pixels** or **broadcast resolution**.

Two independent and simultaneous destinations for each video channel leading to 32 video output streams.

Each camera independently delivers data to two different memory locations in the PC, including the graphic card , for simultaneous capture and preview functions. Both are fully configurable for acquisition rate, image resolution, cropping, scaling, contrast, brightness, saturation, storage format…

A video channel



9 Professional I/O Lines and a Configurable Hardware Watchdog *- identical to the Picolo Tymo -*

Software

Different types of MultiCam drivers are available

- **Multicam for Microsoft Windows 32-bit** (Windows XP®, Server 2003® and Vista®)
- **Multicam for Linux:** designed to be distribution independent with the kernels 2.6.18 and 2.6.24, x86 platforms
  Red Hat Enterprise Linux 5.2 is the only distribution validated and for which support is provided
- **Programming languages** C, C++, .NET classes and ActiveX controls

Euresys dedicated DirectShow filters

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We buy equipment

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