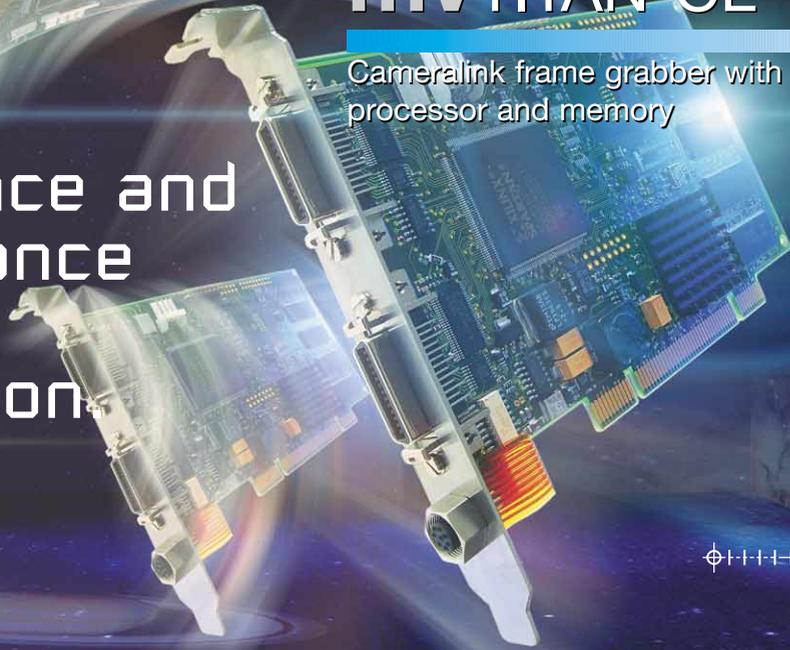


# mvTITAN-CL

CameraLink frame grabber with processor and memory

# Intelligence and High Performance in the next Dimension



www.matrix-vision.de



■ intelligent frame grabber with high performance image processor

■ interface for two BASE or one MEDIUM CameraLink cameras

■ huge local memory for program and data

## mvTITAN-CL

more and up-to-date infos see ▼

[www.matrix-vision.com/mvTITAN-CL](http://www.matrix-vision.com/mvTITAN-CL)

The mvTITAN series grabbers are notable for two remarkable components: the high performance image processor and the large

local image memory. The image processor relieves the system CPU of time-critical tasks.

The memory separates image transfer from capture and makes local operations possible on several images at once.

### Features

#### Camera Interface

- ▶ 2 CameraLink Connectors
- ▶ 2 multiplexed BASE inputs or 1 MEDIUM input usable
- ▶ 2 serial ports + 2x4 dig. outputs for independent control of 2 cameras
- ▶ input band width 100 MB/sec [110 MB/sec on request]
- ▶ additional connector for trigger + sync input, flash output and camera power
- ▶ trigger/sync input opto-isolated, 5..24 V
- ▶ flash output opto-isolated, max. 30 V
- ▶ camera power supply 12 V, 750 mA / 1.5 A
- ▶ camera control signals generated by timing generator or by software
- ▶ image format not limited
- ▶ supports area and line scan cameras
- ▶ continuous capturing of all types of image sources
- ▶ input LUT, 3 channels, 10 to 8 bit
- ▶ other real time transformation by software

#### Environs Information

- ▶ permissible ambient temperature 0..50 °C

#### Image Processor

- ▶ image processor PNX 1311 with 4.5 GOPS
- ▶ local memory 8 MB, opt. 32 MB for code, program and image data
- ▶ real time color space conversion of Bayer-Mosaic Color data to RGB without host CPU load

#### Host Interface

- ▶ direct image transfer with color space conversion to display and overlay buffer
- ▶ parallel display and capturing in independent pixel formats
- ▶ local pixel depth per color component 8 to 16 bit, per pixel 8 to 32 bit
- ▶ E2PROM usable for user data

#### Software

- ▶ drivers for Windows® and Linux®
- ▶ supported by mvIMPACT library

**Legal notice:** The contents of this brochure are intended to provide information only and to show possible examples. We reserve the right to change technical data and construction at any time without prior notice. The technical specifications of customer systems and of our current products have to be clarified when ordering. Date 09/2006



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