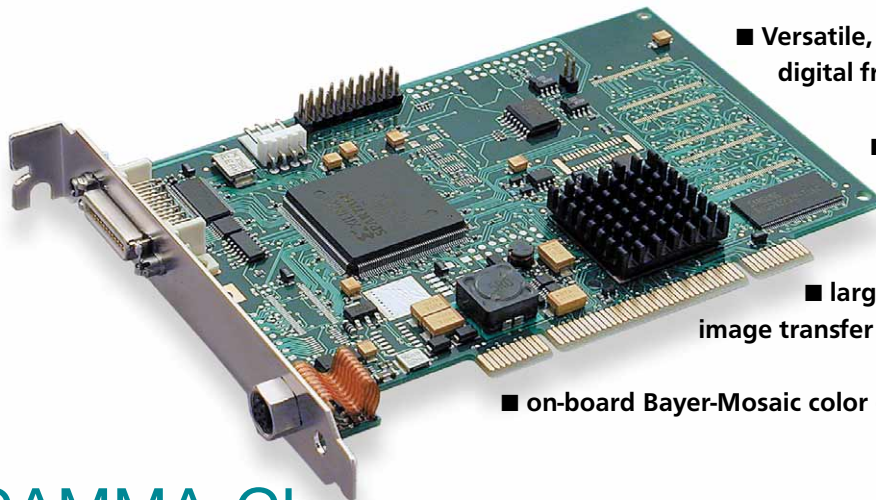


# mvGAMMA-CL

CameraLink frame grabber with on-board memory

The low-cost solution for digital high-performance applications.

[www.matrix-vision.de](http://www.matrix-vision.de)



■ Versatile, low-cost digital frame grabber

■ interface for one BASE CameraLink line-scan or matrix camera

■ large local memory for safe image transfer on heavy load systems

■ on-board Bayer-Mosaic color conversion

## mvGAMMA-CL

more and up-to-date infos see ▼

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

The mvGAMMA-CL grabber uses also the proven processor and PCI interface technology of the mvTITAN family. In combination with a highly integrated digital CameraLink front end it shows an excellent price to performance ratio.

Due to the large local memory you'll never again lose data caused by temporary PCI bus overloads, even when using multiple boards in one system.

For most color and gray-scale applications with line-scan or matrix cameras the mvGAMMA-CL delivers an unequalled solution.

### Features

#### Camera Interface

- ▶ 1 CameraLink BASE input
- ▶ 1 serial port + 4 dig. outputs for camera control
- ▶ input band width 95 MB/sec
- ▶ 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, 10mA
- ▶ 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..45 °C

#### Image Processor

- ▶ flexible acquisition control
- ▶ 8 MB local memory for images, programs and data
- ▶ pixel processing with 3.9 GOPS
- ▶ 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 05/2007



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