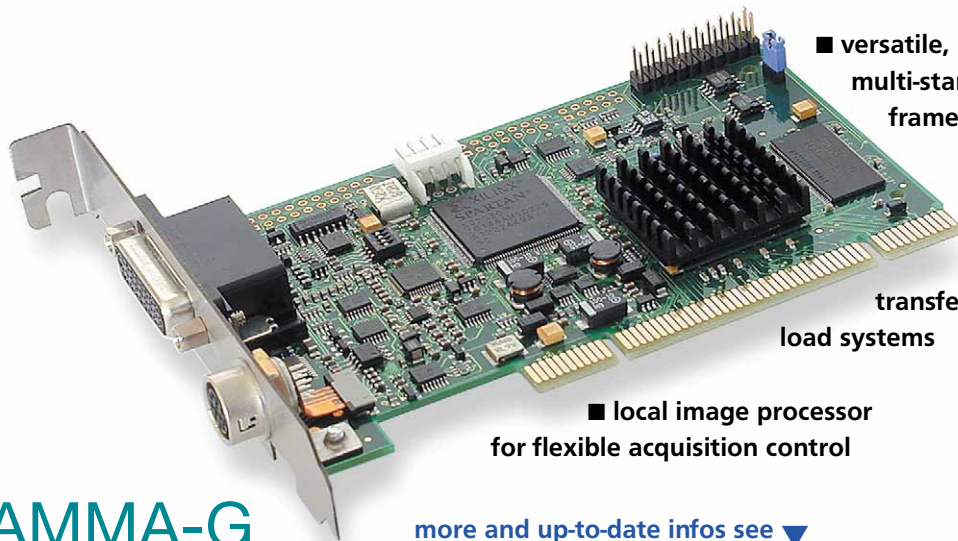


mvGAMMA-G

For gray scale vision applications

The Solutions for the whole Spectrum of Gray Scale Visions.

www.matrix-vision.de



■ versatile, low cost,
multi-standard gray scale
frame grabber

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

■ local image processor
for flexible acquisition control

mvGAMMA-G

more and up-to-date infos see ▼

www.matrix-vision.com/mvGAMMA-G

The lowcost mvGAMMA-G grabber uses also the proven processor and PCI interface technology of the mvTITAN family. In combination with a highly integrated analog front end it shows an excellent

price to performance ratio. For low to mid range gray scale acquisition the mvGAMMA-G delivers an unequaled solution. 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. It's suitable for all areas of gray scale vision applications working with analog image sources.

Features

Analog Acquisition

- ▶ acquisition rate up to 28 MHz
- ▶ pixel depth 8 or 10 bit
- ▶ analog gain and offset
- ▶ internal or external pixel clock
- ▶ switchable low pass filters
- ▶ 10 to 8 bit LUT

Camera Interface

- ▶ 4 analog inputs, 1 clock input
- ▶ video signal termination can be switched off
- ▶ fast switching between asynchronous sources
- ▶ external trigger input
- ▶ restart/reset modes
- ▶ video timing generator to VD/HD outputs
- ▶ versatile GPIOs: 3x out, 1x in
- ▶ 1x Hirose connector
- ▶ camera supply (12 V, 700 mA / 1.5 A) on both connectors

Enviroments Information

- ▶ permissible ambient temperature 0..50 °C

Image Processor

- ▶ flexible acquisition control
- ▶ pixel processing with 4.5 GOPS
- ▶ 8 MB local memory for images, programs and data

Host Interface

- ▶ color space conversion, scaling and overlay for direct display output
- ▶ PCI-DMA transfer as 8 or 16 bit raw data or RGB/YC pixels

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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