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Find the *Balluff / Matrix Vision mvTITAN-2C16/R8B* at our website: ***Click HERE***



mvTITAN-Series

Intelligent frame grabbers with processor and memory

Intelligence and High Performance in the next Dimension

www.matrix-vision.de



mvTITAN-C16/2C16

■ 16 input CVBS/YC color frame grabber



mvTITAN-G1

■ Versatile gray scale frame grabber



mvTITAN-RGB/G3

■ Universal color and 3 channel gray scale grabber



mvTITAN-RGB/G4

■ Universal color and 4 channel gray scale grabber



mvTITAN-DIG

■ Flexible digital frame grabber



mvTITAN-CL

■ Interface for one BASE/MEDIUM CameraLink camera

CAMERA Link

mvTITAN-Series

more and up-to-date infos see ▼

www.matrix-vision.com/mvTITAN

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.

Areas of Application

Area/Application	C16/2C16	G1	RGB/G3 RGB/G4	DIG	CL
Industrial Image Processing					
◗ 2D/3D measurement	■□□	■■■	■■■	■■■	■■■
◗ OCR, Pattern recognition	■□□	■■■	■■■	■■■	■■■
◗ Control, Robotics	■■□	■■■	■■■	■■■	■■■
◗ Visualisation	■■■	■□□	■□□	■□□	■□□
◗ Line camera applications	□□□	■□□	■□□	■■■	■■■
Security					
◗ Object surveillance	■■■	■□□	■□□	■□□	■□□
◗ Traffic surveillance	■■■	■□□	■□□	■□□	■□□
◗ Compressed recording	■■■	■□□	■□□	■□□	■□□
◗ Video sensoric	■■■	■□□	■□□	■□□	■□□
Microscopy/Diagnostic					
◗ Light microscopy	■■□	■■■	■■■	■■□	■■□
◗ Laser scan systems	□□□	■■■	■■■	■■□	■■□
◗ Electron microscopy	□□□	■■■	■■■	■■□	■■□
Medicine					
◗ Visual dignostic	■■■	■■□	■■■	■■□	■■□
◗ Laboratory systems	■■□	■■■	■■■	■■□	■■□
Image Capture/Archiving					
◗ Document line scanner	□□□	□□□	□□□	■■■	■■■
◗ High res area cameras	□□□	■■■	■■■	■■■	■■■

Features

Image Processor

- ◗ image processor PNX 1300 with 3.9 GOPS / PNX 1311 with 4.5 GOPS
- ◗ local memory 8-32 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

■■■ optimum usage due to special features ■■ very suitable ■ suitable

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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