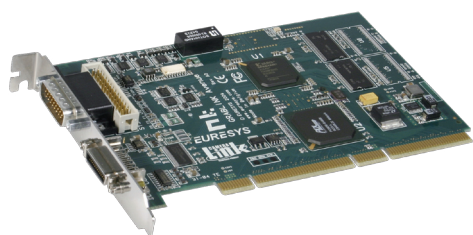


Grablink Avenue

Ultra-fast Single Channel Camera Link® Frame Grabber



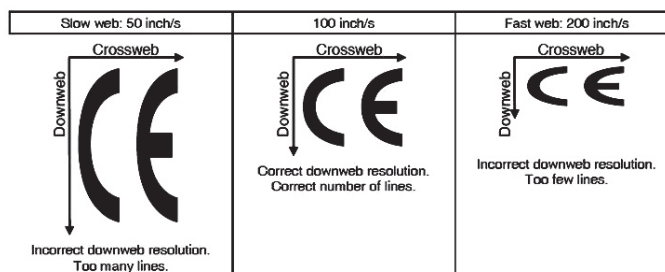
Introduction

The Grablink Avenue is an ultra-fast PCI frame grabber for line-scan or area-scan digital Camera Link cameras. Grablink Avenue is a highperformance 64-bit, 66 MHz PCI bus board acquiring images from one camera in the Camera Link® Base configuration. This board acquires the 24-bit data, with any tap structure, at the maximum speed of 85 MHz allowing to be interfaced to the fastest cameras. It incorporates ADR Technology to provide perfect digital images to color applications.

ADR Technology™

ADR (Advanced Downweb Resampling) is the ultimate method for digital acquisition from line-scan cameras at a variable web speed. Unique advantages of ADR are:

- ◆ Acquisition from shutterless cameras
- ◆ Improved Image quality
 - Permanent camera exposure and complete use of the resulting information
 - Fixed Pattern Noise due to electronic shutter is avoided
- ◆ If the web speed changes, geometrical distortion occurs, as shown in this figure:



Features

- 64-bit, 66 MHz PCI bus
- Full support of area scan cameras: asynchronous reset and exposure control
- Camera Link® Base configuration: 24-bit @ up to 85 MHz
- Camera Link® serial line configurable as an additional PC COM port
- Asynchronous reset, exposure control and I/O lines -trigger & strobe
- 32 MB frame buffer
- Simple and reliable line scan acquisition, ADR Technology™

Applications

- Quality control
- Semiconductor inspection
- PCB inspections
- FPD inspections
- On-the-fly image acquisition
- High frame rate image acquisition

Software Support

- EasyMultiCam is the unique driver which serves the PicoLo, Domino, and Grablink series frame grabbers.
- The EasyMultiCam driver runs under Microsoft Windows 2000®, XP®, Server 2003®, Vista®, and Linux Enterprise Server 10.

Ordering Information

- **Grablink Avenue**
Ultra-fast single channel Camera Link® frame grabber

Accessories

Cabling

- **Camera Link Cable**
5 M, robot type

- ◆ System reliability compatible with industrial needs

