R64e-CL

The new serial, peer-to-peer, PCI Express is the bus of the future for high speed data. The R64e-CL will help you move your application into that future.

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The R64e-CL

The new R64e-CL takes high-speed imaging to the next level by offering a solution for PCI Express. PCI Express offers not only incredible bandwidth, but also significantly more robust continuous data throughput. The R64e-CL product line follows the tradition of its predecessors by supporting image acquisition at today's camera speeds with zero latency or CPU usage. Combining the built-in flexibility to support hundreds of off-the-shelf and proprietary cameras with the simplicity of a Camera Link interface, the R64e-CL offers the best camera interface solution for the most demanding OEM, System Integrator or End-User applications.

The R64e-CL features a single or dual Camera Link camera interface configuration. In the single camera configuration, the R64e-CL is capable of supporting a base, medium or full Camera Link camera. Output configurations include two taps, three taps (RGB), four taps and eight taps. The dual camera configuration R64e-CL is capable of supporting two identical base Camera Link cameras.

Features

- Half-Size x8 PCI Express Board
- Base, medium, full or dual-base Camera Link interface
- Configuration files for almost every CL camera made
- Proven FlowThru architecture
- On-board real-time Bayer color decoding (R64-PCE-CL-IP2 model)
- Up to 85 MHz pixel clock
- On-the-fly reformatting for multi-tap cameras
- Image sized up to 256K x 128K (unlimited vertically for line scan)
- Supports variable size image acquisition
- TTL, Differential and Opto-coupled user-programmable I/O
- Numerous trigger modes for application specific acquisition and control
- Supported by BitFlow SDK 4.50 or higher
- Compatible with Windows NT, 2000, XP and Server 2003
- Drivers for ImagWarp, HALCON, LabView, etc.
- Programmable trigger delay
- Programmable encoder divider (PLL based)
- RoHS and CE approved

Frame Grabbers

Industrial & Scientific Software

Applications Development Software

BitFlow™