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IMAGING SUPPORT

R64-CL

The R64 takes BitFlow's proven Camera Link and FlowThru technology to the next level by offering a Full Camera Link interface on the 64-bit/66 MHz PCI bus.



BitFlow > Frame Grabbers > R64-CL

The R64-CL

The new R64-CL Camera Link frame grabber takes high-speed imaging to the next level by offering a solution for the 64-bit/66Mhz PCI bus. Featuring an enhanced version of the time-tested and proven FlowThru architecture that BitFlow pioneered nearly 10 years ago, the R64-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 R64-CL offers the best camera interface solution for the most demanding OEM, System Integrator or End-User applications.

The R64-CL features a single or dual Camera Link camera interface configuration. In the single camera configuration, the R64-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 64-bit/66 MHz PCI 2.2 board
- Base, Medium, Full or Dual-Base Camera Link interface
- Proven FlowThru architecture
- Onboard processing capability supports real-time Bayer color decoding (R64-PCI-CL-IP2 model)
- Up to 85 MHz pixel clock
- On-the-fly reformatting for multi-tap cameras
- Full support for monochrome and color cameras
- Image sized up to 256K x 128K (unlimited vertically for line scan)
- TTL, Differential and Opto-coupled user-programmable I/O
- Numerous trigger modes for application specific acquisition and control
- Supported by BitFlow SDK 4.00 or higher
- Drivers and DLLs for 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™

300 Wildwood Ave. Woburn, MA 01801 USA
tel 1-781-932-2900 | fax 1-781-933-9965
www.bitflow.com | www.imagewarp.com

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