IMAGING SUPPORT

Neon-CLD

The Neon-CLD supports two independent Base Camera Link/PoCL cameras, at full speed, on a low cost PCIe platform.

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The Neon-CLD

The Neon family is growing. It started with the Neon-CLB, the world's first PoCL frame grabber that provided Base Camera Link acquisition on an OEM priced platform. Now comes the Neon-CLD which supports two cameras on the same low cost x4 PCIe platform. Both cameras can be completely independent with different resolutions, frame rates, triggering modes, etc. Or both cameras can be perfectly synchronized. The Neon-CLD is incredibly flexible and powerful, yet it can substantially lower your system cost. Not only is the Neon-CLD very aggressively priced, but there are additional savings from connecting two cameras to one frame grabber.

Adding the Neon-CLD to your application is simple with our SDK, which supports both 32-bit and 64-bit operating systems. Develop your application using our sophisticated buffer management APIs, or download our free drivers, available for most 3rd party machine vision packages. The Neon-CLD is software compatible with the single camera Neon-CLB, thus making the number of cameras in a system a manufacturing time decision.

If you need the simplest, most reliable, and best performing dual Base Camera Link/PoCL frame grabber, call BitFlow today to get our Neon-CLD, BitFlow's 4th generation of robust, industrial CL imaging products.

Features

- Supports two Base CL cameras
- Provides Power over Camera Link (PoCL) for both cameras
- Support both PoCL and non-PoCL cameras
- Provides Safe Power - full protection from all CL power line faults
- Both cameras can be completely independent or synchronized
- Separate I/O for each camera
- The Neon-CLD appears to Windows as two separate frame grabbers
- Fully backwards compatible with non-PoCL cameras and cables
- Half-Size x4 PCI Express Board
- Acquire up to 24 bits at 85 MHz
- FlowThru technology means that no on-board memory is needed
- Sustained DMA rates up to 350 MB/S for each camera (700 MB/S total)
- Supports images up to 256K x 128K
- No frame rate limit
- Triggers and encoders for external control of acquisition
- Programmable signal generator for camera control (independent for each camera)
- Quadrature encoder support including sophisticated triggering schemes
- Encoder divider/multiplier
- Drivers, utilities and examples for Windows XP/2003/Vista/Windows 7
- Supported on both 32-bit and 64-bit platforms

Frame Grabbers

Machine Vision Software Support

Applications Development Software

Aegis Electronic Group
www.aegiselect.com