Neon-CL

The Neon is priced to make you forget the competition, without sacrificing any of the quality you expect from BitFlow.

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The Neon-CL

Simplify your industrial or semiconductor imaging application with BitFlow's new Neon-CL, the world's first Power over Camera Link (PoCL) frame grabber. PoCL is the new Camera Link (CL) standard for providing power to the camera over the CL cable. With the Neon-CL, Camera Link now supports simple, one-cable installations while providing data rates up to 255 megabytes per second!

The Neon-CL is designed for the OEM that needs the performance of the PCI Express bus, BitFlow's famous industrial quality, and one of the lowest price points in the industry. The Neon-CL can acquire from all Base CL cameras and has enough industrial I/O to handle even the most complicated synchronization tasks.

Adding the Neon-CL to your application is simple with our SDK, which supports both 32-bit and 64-bit operating systems. The SDK provides high level APIs for sophisticated buffer management and low-level direct access to the board for speedy custom control.

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

Features

- Base Camera Link interface
- Power over Camera Link (PoCL)
- Provides Safe Power - full protection from all CL power line faults
- Fully backwards compatible with non-PoCL cameras and cables
- Half-Size x4 PCI Express Board
- Acquire up to 24 bits at 85 MHz
- Both CL and I/O connector on one bracket (only one slot needed)
- FlowThru technology means that no on-board memory is needed, even with the fastest cameras
- DMA at data rates up to 528 MB/S
- 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
- Sophisticated triggering modes for complex applications
- Acquire variable length frames with line scan cameras
- Drivers, utilities and examples for Windows 2000/XP/2003/Vista
- Supported on both 32-bit and 64-bit platforms
- Drivers for most 3rd party processing environments
- Acquire image sequences well beyond the 4GB barrier
- RoHS compliant

Frame Grabbers

Industrial & Scientific Software

Applications Development Software