

# CLR-102 Camera Link PoCL Repeater/Adapter

The CLR-102 is a cost-effective approach to increasing separation between camera and frame grabber in PoCL (Power over Camera Link) applications. One Camera Link cable connects the camera to the repeater, and a second cable connects the repeater to the frame grabber. This solution provides a 20 meter reach between camera and frame grabber. Several repeaters and cables may be cascaded to support greater distances. PoCL frame grabbers used with the CLR-102 must have the SafePower feature.



The CLR-102 is also an adapter, enabling the use of PoCL cameras with standard (non-PoCL) Camera Link frame grabbers. The CLR-102 powers the camera and incorporates the PoCL SafePower feature.

CLR-102 is compatible with both PoCL and standard (non-PoCL) "base" configuration cameras. A front-panel link status indicator identifies an active connection.

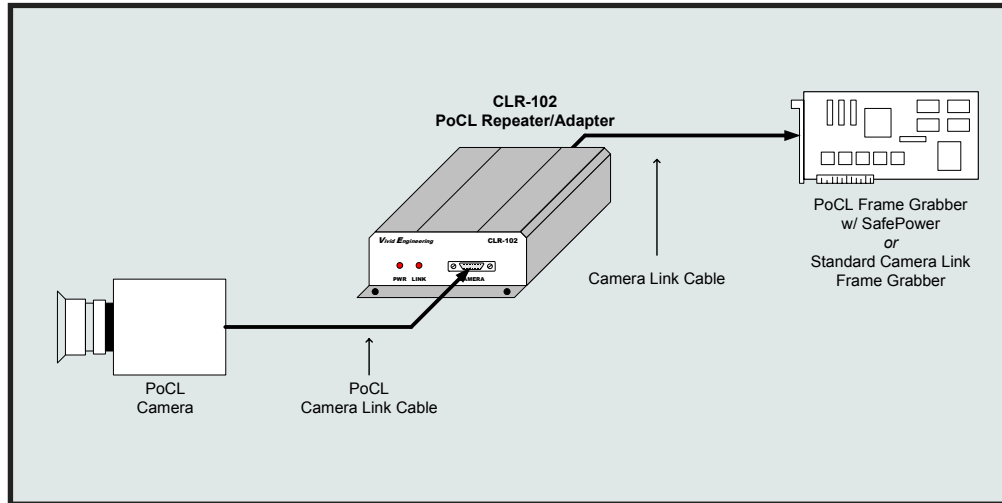
The CLR-102 features miniCL connectors and is housed in a sturdy, compact aluminum enclosure.

## Features

- Doubles max distance between PoCL camera and frame grabber
- Enables use of PoCL cameras with standard (non-PoCL) frame grabbers
- Powers PoCL cameras
- Incorporates PoCL SafePower feature
- Miniature Camera Link (miniCL) connectors
- Supports Camera Link base configuration
- High-speed 85 MHz interface chipset
- Also works with standard (non-PoCL) cameras
- Minimal data pass-through latency
- Front-panel power and link status indicators
- Flow-through connector positioning
- Multi-nation power supply with locking connector included
- Sturdy, compact aluminum enclosure w/ mounting flange
- 3-year warranty



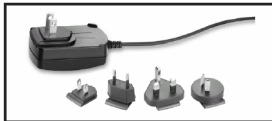
## Typical Application



## Rear View



## Power Supply



## Specifications

Feature	Specification
Video Interfaces	Camera: Camera Link "base" configuration w/ PoCL Frame Grabber: Camera Link "base" configuration
Video Connectors	26-pin Miniature Camera Link (miniCL) type
Camera Frequency	20-85 MHz
Latency	Video path: 3 camera pixel clock cycles Control & communication: 5ns max
Chipset	National Semiconductor DS90CR287 / 288A
Power Supply	Universal wall style w/ outlet plug set
Power Plug	Circular locking, Switchcraft p/n TA3FX
Power Requirements	Regulated 12 VDC, 65 mA (typical) + Camera Power
Cabinet Dimensions	3.28" (L) x 1.14" (H) x 4.37" (D)
Weight	8 oz
Operating Temp Range	0 to 50° C
Storage Temp Range	-25 to 75° C
Relative Humidity	0 to 90%, non-condensing
Compliance	FCC Class A, ROHS, CE EN55024 pending

## Ordering Information

Model	Description
CLR-102	Camera Link PoCL Repeater/Adapter
CLR-102-N	Camera Link PoCL Repeater/Adapter (without power supply)



**Vivid Engineering**