

CLR-101C Camera Link Repeater

The value-priced CLR-101C Camera Link Repeater is an economical approach to increasing separation between camera and frame grabber. 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 using a pair of standard 10m Camera Link cables. Several repeaters and cables may be cascaded to support greater distances.



CLR-101C incorporates high-speed 85MHz interfaces and is compatible with any Camera Link "Base" configuration camera. A front-panel link status indicator identifies an active connection.

Combining the CLR-101C with shorter cables can eliminate problems sometimes encountered using high performance cameras and long cables.

The CLR-101C is housed in sturdy, compact aluminum enclosure. A locking power supply connector is optional.

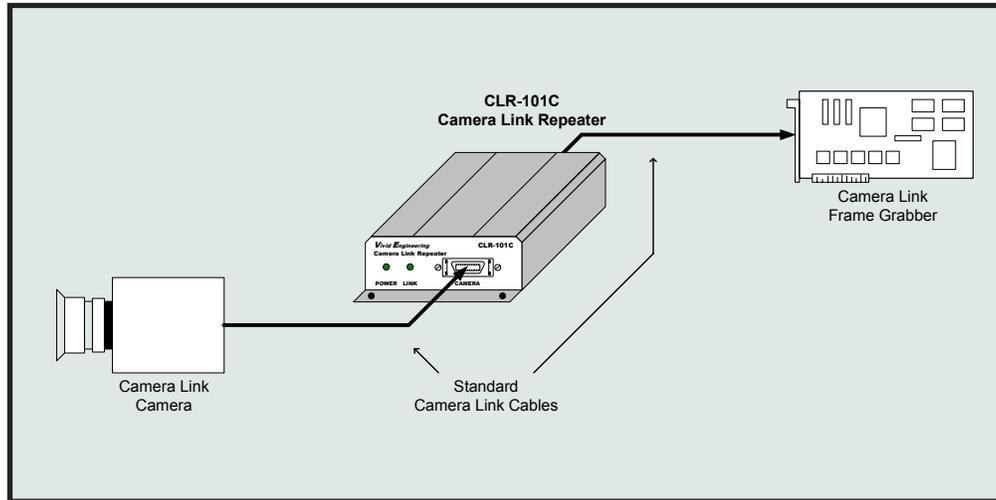
Features

- Doubles max distance between camera and frame grabber
- Combines with shorter cables to eliminate performance problems with long cables
- Uses standard Camera Link cables (not included)
- Supports Camera Link *Base* configuration
- Minimal data pass-through latency
- High-speed interfaces support camera clock rates up-to 85 MHz
- Front-panel link status indicator
- Several repeaters may be cascaded for greater distances
- "Medium" configuration support using two CLR-101C's in parallel
- Flow-through connector placement
- Sturdy, compact aluminum enclosure with mounting flange
- Multi-nation power supply included, locking connector optional
- 3-year warranty
- Cost-effective solution

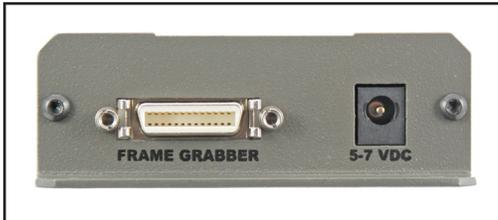


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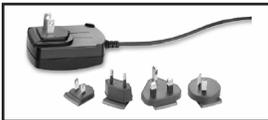
Typical Application



Rear View



Power Supply



Specifications

Feature	Specification
Video Interfaces	Camera Link "base" configuration
Video Connectors	26-pin MDR 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	2.1 x 5.5 mm, center-positive. Locking style optional
Power Requirements	5-7 VDC, 150 mA typical
Cabinet Dimensions	3.28" (L) x 1.14" (H) x 4.37" (D)
Weight	6 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-101C	Camera Link Repeater
CLR-101C-L	Camera Link Repeater (with locking power supply connector)
CLR-101C-N	Camera Link Repeater (without power supply)



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