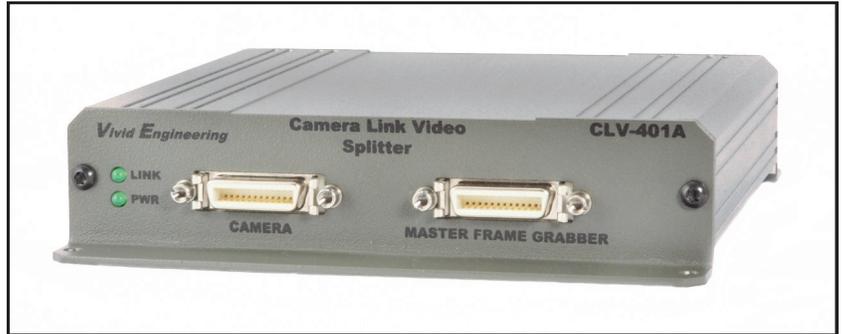


CLV-401A Camera Link Video Splitter

The CLV-401A Camera Link Video Splitter interfaces one Camera Link camera to two frame grabbers using standard Camera Link cables. This arrangement enables the addition of a second frame grabber (or other acquisition device) for functions such as camera setup, secondary/parallel processing, and monitoring.



One frame grabber acts as master and provides control and communications to the camera. The second frame grabber receives camera video data only.

The CLV-401A is compatible with Camera Link "base" configuration cameras (i.e. one Camera Link cable from camera). A front-panel link status indicator identifies an active connection.

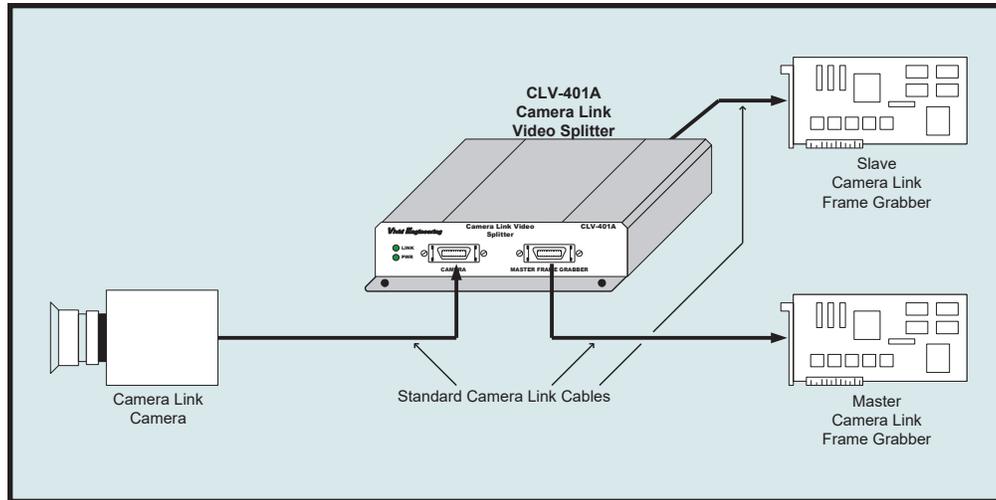
The CLV-401A is housed in sturdy aluminum enclosure.

Features

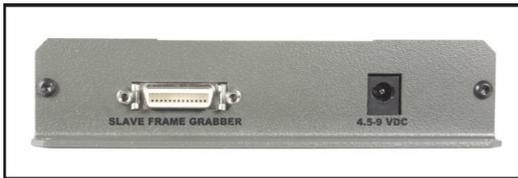
- Interfaces one camera to two frame grabbers
- Second frame grabber (or other acquisition device) can be used for camera setup, processing, monitoring, etc
- Uses standard Camera Link cables (MDR-style, not included)
- Supports Camera Link "base" configuration (i.e. one Camera Link cable from camera)
- Connects to cameras and/or frame grabbers with mini (SDR/HDR) connector via adapting cables
- Connects to Power over Camera Link (PoCL) cameras via Vivid Engineering CLR-102 Repeater/Adapter
- Minimal video data pass-through latency: 3 camera pixel clocks
- Minimal control/communication pass-through latency: under 5 nS
- Link status indicator identifies an active camera connection
- Also acts as a repeater, doubling max distance between camera and frame grabbers
- Multi-nation power supply included, locking-plug power supply optional
- Sturdy aluminum enclosure w/ mounting flange
- 3-year warrantee
- Made in USA



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
Power Supply	Universal wall style w/ outlet plug set
Power Plug	2.1 x 5.5 mm, center-positive. Locking style optional
Power Requirements	4.5 - 9 VDC, internally isolated 230 mA @ 5 VDC (typical)
Cabinet Dimensions	5.28" (L) x 1.18" (H) x 5.12" (D)
Weight	11 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, CE Class A, RoHS

Ordering Information

Model	Description
CLV-401A	Camera Link Repeater (with standard power supply)
CLV-401A-L	Camera Link Repeater (with locking-plug power supply)
CLV-401A-N	Camera Link Repeater (without power supply)



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