

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 for functions such as camera setup, secondary/parallel processing, and monitoring.



One frame grabber acts as master (i.e. primary) and provides control and communications to the camera. The secondary (slave) frame grabber receives camera video data only.

The CLV-401A incorporates high-speed 85MHz interfaces and is compatible with all Camera Link "base" configuration cameras. A front-panel link status indicator identifies an active connection.

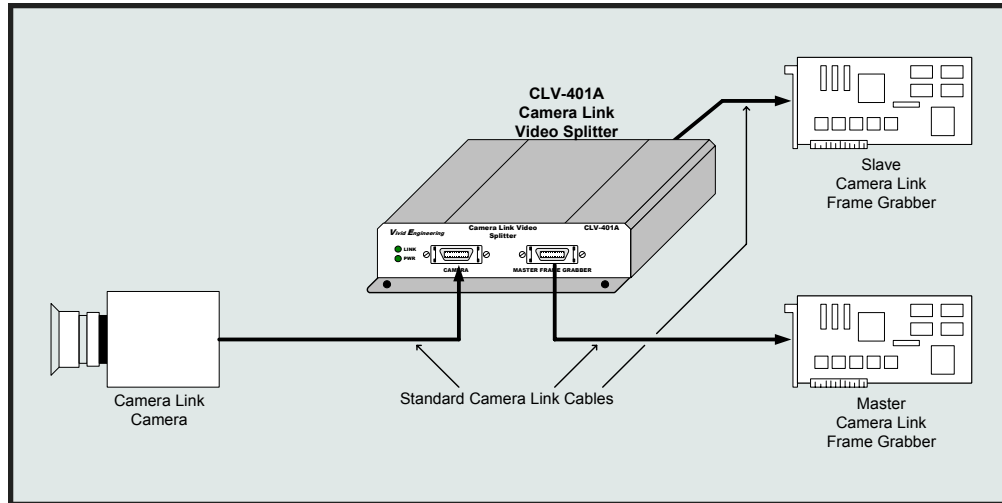
The CLV-401A is housed in sturdy, compact aluminum enclosure. A locking-plug power supply is optional.

Features

- Interfaces one camera to two frame grabbers
- Second frame grabber can be used for camera setup, processing, monitoring, etc
- Uses standard Camera Link cables (not included)
- Supports Camera Link "base" configuration
- High-speed 85 MHz interface chipset, works with any base camera
- Minimal video data pass-through latency: 3 camera pixel clocks
- Minimal control/communication pass-through latency: under 5 nS
- Link status indicator
- Isolated DC power input
- "Medium" configuration support using two CLV-401A's
- Multiple CLV-401A's may be cascaded to support 4 or 8 frame grabbers
- Also acts as a repeater, doubling max distance between camera and frame grabbers
- Multi-nation power supply included, locking-plug power supply optional
- Sturdy, compact aluminum enclosure w/ mounting flange
- 3-year warrantee



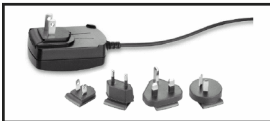
Typical Application



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, ROHS, CE EN55024 pending

Ordering Information

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



159 Memorial Dr., Suite F • Shrewsbury, MA 01545 • USA
 phone 508-842-0165 • fax 508-842-8930
 email info@vividengineering.com
 web www.vividengineering.com

rev 0.1, 1/4/2012