

CLV-412 Camera Link Video Splitter

The CLV-412 Camera Link Video Splitter interfaces one Camera Link camera of any configuration (base, medium, full, 80-bit) to up-to four frame grabbers using standard Camera Link cables. This enables the use of multiple frame grabbers for applications requiring parallel or distributed processing, camera sharing, etc. One frame grabber acts as master and provides control and communications to the camera. The remaining frame grabbers receive camera video data only. The master frame grabber is selectable and may be dynamically changed for applications requiring camera control sharing.



The CLV-412 incorporates high-speed 85 MHz interfaces and supports all Camera Link cameras. Multiple CLV-412s may be cascaded for large parallel processing systems.

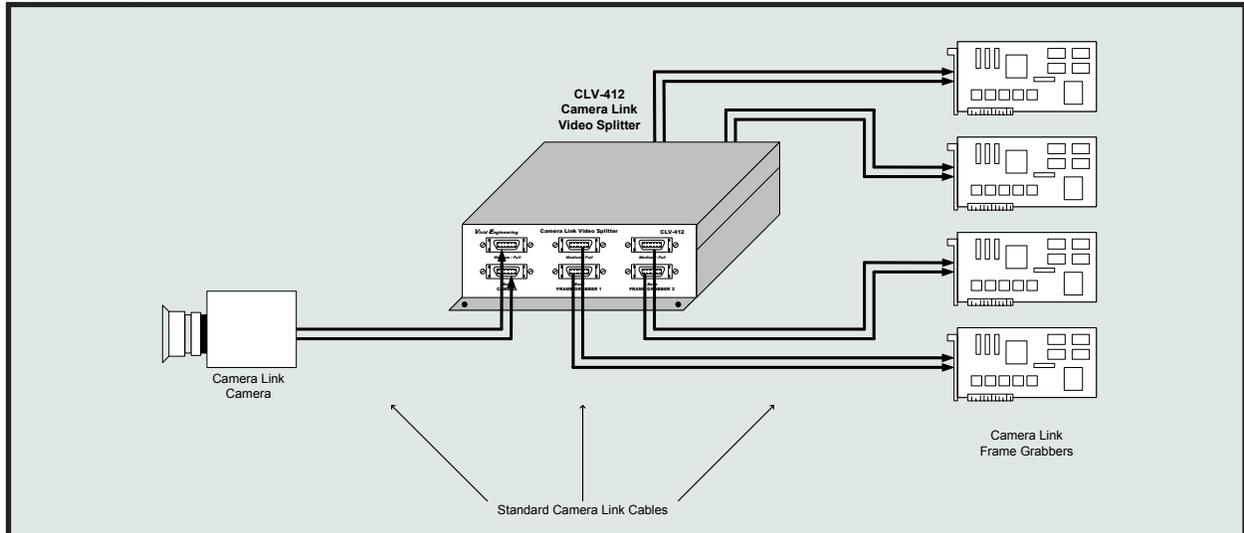
The CLV-412 Camera Link Video Splitter is housed in a sturdy, compact aluminum enclosure.

Features

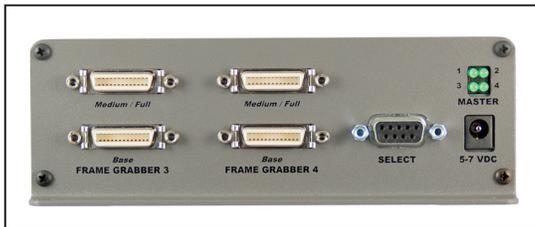
- Interfaces one camera to up-to four frame grabbers
- Supports all Camera Link configurations (base, medium, full), including 80-bit
- Supports parallel or distributed processing, camera sharing, etc
- High-speed (85 MHz) design supports all Camera Link cameras
- Uses standard Camera Link cables (not included)
- May be cascaded for large parallel processing systems
- Dynamic master frame grabber selection via opto-isolated control inputs
- Minimal data pass-through latency
- Rear panel LEDs identify master frame grabber
- Flow-through connector positioning
- Sturdy, compact aluminum enclosure w/ mounting flange
- Multi-nation power supply included
- 3-year warranty



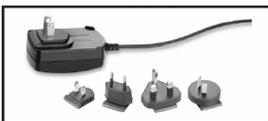
Typical Application



Rear View



Power Supply



Specifications

Feature	Specification
Video Interfaces	Camera Link "full" configuration + 80-bit modes
Video Connectors	26-pin MDR type
Camera Frequency	20-85 MHz
Latency	Video path: 5 camera pixel clock cycles Control & communication: 15ns max
Select Connector	Female 9-pin D-Sub (DB9), opto-isolated inputs
Chipset	National Semiconductor DS90CR287 / 288A
Power Supply	Universal wall style w/ outlet plug set
Power Plug	2.1 x 5.5 mm, center-positive
Power Requirements	5-7 VDC, 480 mA typical
Cabinet Dimensions	6.14" (L) x 2.10" (H) x 7.02" (D)
Weight	26 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-412	Camera Link Video Splitter
CLV-412-N	Camera Link Video Splitter (without power supply)



418 Boston Turnpike #104 • Shrewsbury, MA 01545 • USA
 phone 508-842-0165 • fax 508-842-8930
 email info@vividengineering.com
 web www.vividengineering.com

rev 1.0, 12/3/2010