

# CLM-611 Camera Link Multiplexer

The CLM-611 Camera Link Multiplexer interfaces up-to four Camera Link cameras of any configuration (base, medium, full, 80-bit) to one frame grabber using standard Camera Link cables. This capability supports applications requiring the ability to select between multiple cameras. The CLM-611 incorporates high-speed (85 MHz) interfaces and works with any Camera Link camera. The CLM-611 provides multiple camera selection methods including rear-panel switch settings, Camera Link interface signals (serial or camera control), and an external RS-232 port. An inexpensive optional adapter supports control of the CLM-611 via a PC USB port. Multiple CLM-611s may be cascaded to support more than four cameras.



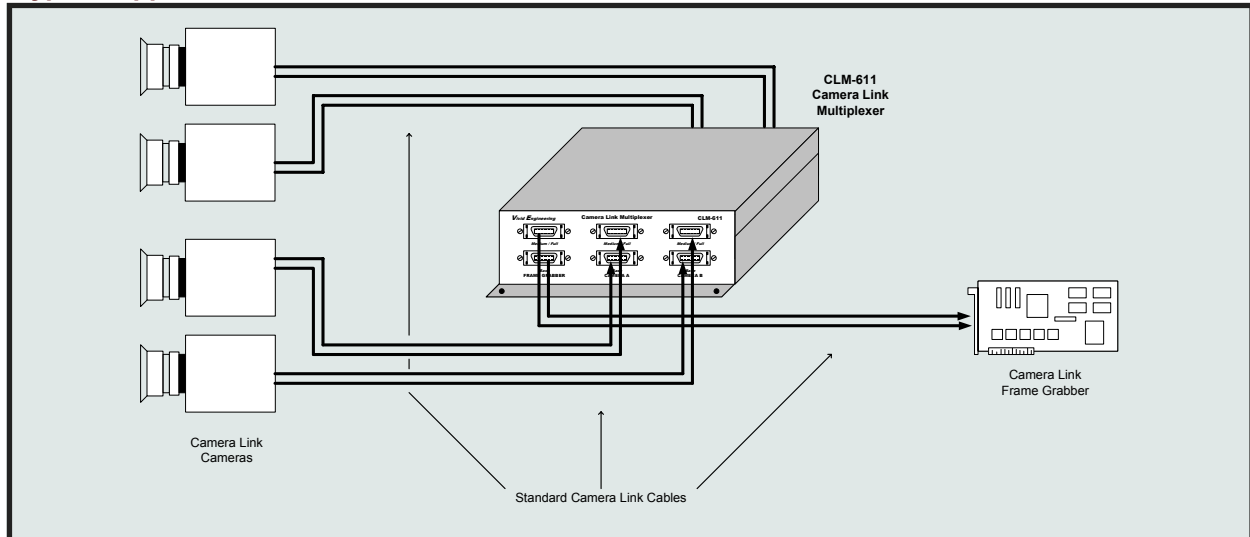
The CLM-611 Camera Link Multiplexer is housed in a sturdy, compact aluminum enclosure.

## Features

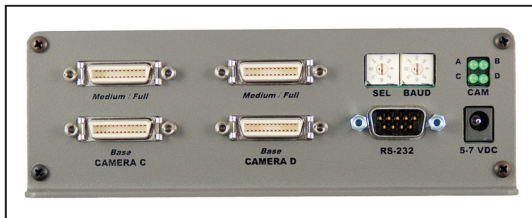
- Interfaces up-to four cameras to one frame grabber
- Supports all Camera Link configurations (base, medium, full), including 80-bit
- High-speed (85 MHz) design supports all Camera Link cameras
- Multiple camera selection methods:
  - ◆ Camera Link interface serial messages
  - ◆ Camera Link interface Camera Control (CC) signals
  - ◆ Standard RS-232 port
  - ◆ Standard USB port (w/ optional adapter)
  - ◆ Fixed selection via switch settings
- Passes all interface signals (video data, serial comm, camera control)
- Minimal data pass-through latency
- May be cascaded to support greater than four cameras
- LED camera select indicators
- Sturdy, compact aluminum enclosure w/ mounting flange
- Multi-nation power supply and RS-232 cable included
- 3-year warranty



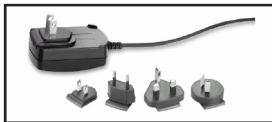
## Typical Application



## Rear View



## Power Supply



## USB Adapter



## 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
Serial Port Interface	RS-232 (or USB with optional adapter)
Serial Port Connector	Male 9-pin D-Sub (DB9)
Serial Port Cable	3 meter DB9 female - DB9 female null modem cable
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, 400 mA typical
Cabinet Dimensions	6.14" (L) x 2.10" (H) x 7.02" (D)
Weight	28 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
CLM-611	Camera Link Multiplexer
CLM-611-N	Camera Link Multiplexer (without power supply)
USB-ADAPTER	USB to Serial RS-232 Adapter (optional)



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rev 1.2, 12/3/2010