

CLT-371A Camera Link Translator

Camera Link to HD-SDI / HDMI / DVI-D

The CLT-371A Camera Link Translator converts Camera Link to HD-SDI, enabling the use of Camera Link cameras with HD-SDI monitors, recorders, etc. Camera Link to HDMI and Camera Link to DVI are also supported via an external converter.

The device works with most color and monochrome base-configuration cameras. Output format is either 1920x1080 or 1280x720.

Features include automatic frame rate adaptation, Bayer color correction, and camera synchronization support. Camera control is via an RS-232 port or USB.

No software or preconfiguration is required; configuration is via rear-panel switch settings.

The CLT-371A is housed in a sturdy aluminum enclosure.

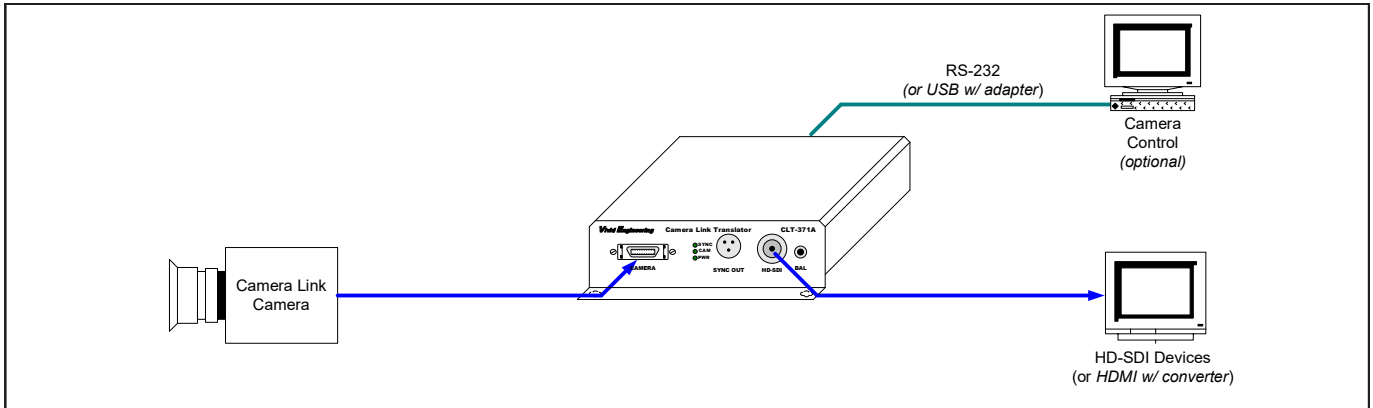


Features

- Enables use of Camera Link cameras with HD-SDI monitors and equipment
 - HDMI & DVI-D output via an inexpensive external converter
- Works with most Camera Link color and monochrome base-configuration cameras
 - PoCL cameras supported via Vivid CLR-102
- HD-SDI: 1920x1080 @ 29.97/30p or 1280x720 @ 59.94/60p
- Automatic frame rate adaptation; no camera synchronization required
- Crop and center for images larger/smaller than 1920x1080 or 1280x720
- Bayer color correction and white balance
- RS-232 port for camera set-up and control
 - Or USB via an adapter
- Configured via rear-panel switches, no software or preprogramming required
- External synchronization and reset signals
- Camera presence and synchronization indicators
- Test pattern output
- Multi-nation power supply included, locking-plug version optional
- Sturdy aluminum enclosure w/ mounting flange
- 3-year warrantee



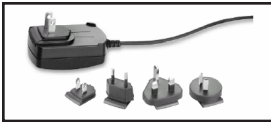
Typical Application



Rear Panel



Power Supply



Specifications

Feature	Specification
Camera Interface	Camera Link standard, "base" configuration, 20-85 MHz, 26-pin MDR female connector
Camera Formats	Monochrome and color area scan: - 8/10/12/14/16-bit single tap - 8/10/12-bit dual-tap - 8-bit RGB - 8/10/12-bit Bayer
HD-SDI Interface	SMPTE-259M/292M, 75 ohm BNC connector
HD-SDI Formats	1920x1080 progressive @ 30 or 29.97 fps 1280x720 progressive @ 60 or 59.94 fps
Color Processing	Bayer correction w/ manual white balance
Video Latency (delay)	1 camera frame time + 1 HD-SDI frame time
RS-232 Port	Standard 9-pin female DB9. 6' cable included
Sync & Reset Port	3-pin female circular connector LVTTTL synchronization output, TTL reset input
Mode Selection	Rear-panel DIP switches
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 VDC, 530mA (typical)
Cabinet Dimensions	4.92" (L) x 1.46" (H) 6.00" (D)
Weight	14 ounces
Temp Range	0 to 50° C operating, -25 to 75° C storage
Relative Humidity	0 to 90%, non-condensing

Ordering Information

Model	Description
CLT-371A	Camera Link Translator (with standard power supply)
CLT-371A-L	Camera Link Translator (with locking-plug power supply)
CLT-371A-N	Camera Link Translator (without power supply)



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