

LD-400 LVDS to DVI Converter

Preliminary



Configurable Converter changes video between various LVDS formats and DVI

Supports pixel clock rates up to 85 MHz

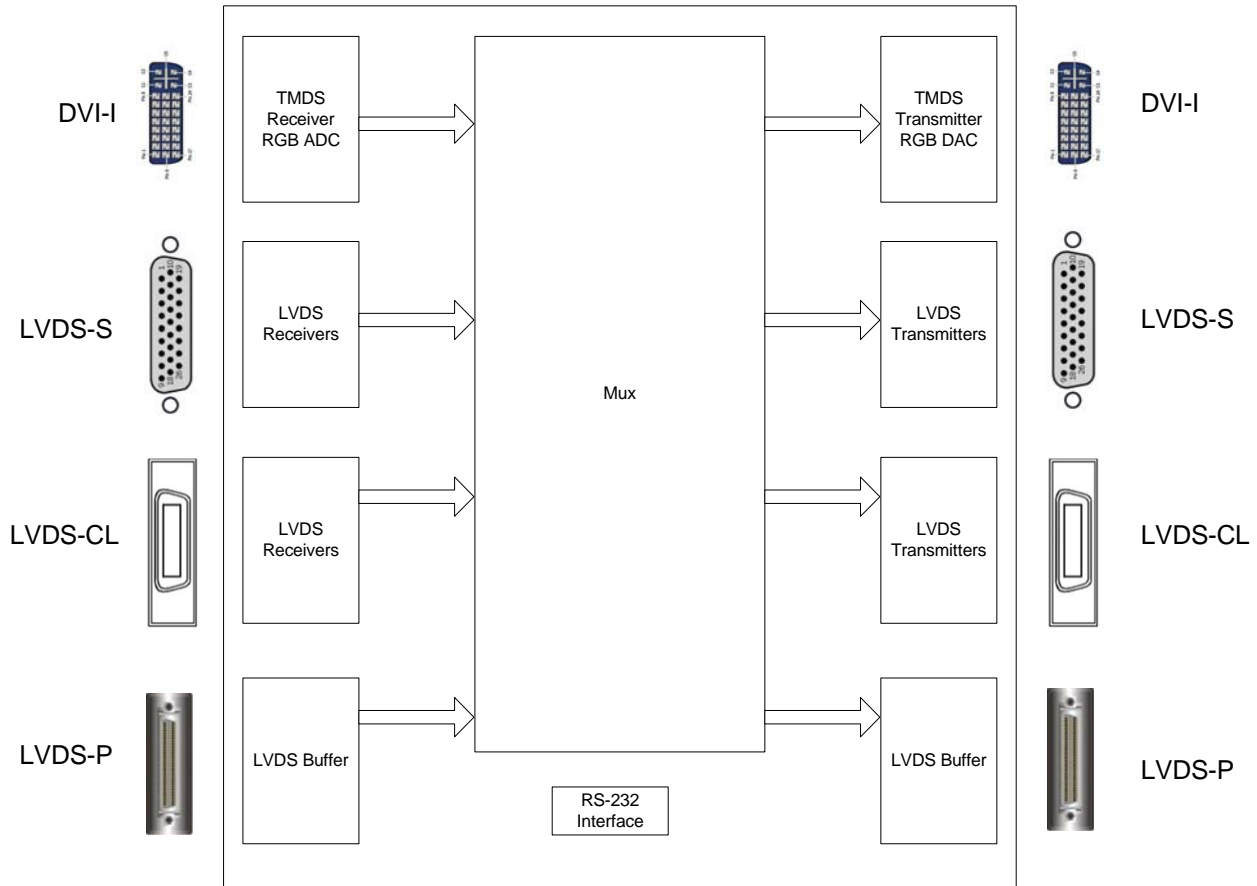
Benchtop unit (available rackmount option)

Software configuration tool allows definition of:

Input source, Output source, LVDS pixel mapping

Use with EZscan to provide a system solution to convert between typical camera resolutions /frames rates and monitor resolutions / frame rates

The LD-400 performs conversions between many common video electrical sources, without scaling, re-timing, or frame rate conversion. In effect, pixel clock rate in is equal to pixel clock rate out. For new mux functions, the unit can be re-configured in the field with a PC-based software utility. The block diagram below is a simplified version of the conversion options:



Any of 4 input connectors are selectable:

Input name	Electrical Interface	Configuration	Connector / Mapping	Typical Usage
DVI-I	Integrated DVI (TMDS and RGB)	Per DVI specification	DVI/ Per DVI specification	Computer Monitors and TV
LVDS-S	LVDS	Serialized	HD26 / SPWG, LDI	TFT Panels
LVDS-CL	LVDS	Serialized	MDR-26 / CameraLink (8,10,12,14,16 bit)	Cameras
LVDS-P	LVDS	Parallel	68 Pin SCSI/ Per special mapping	Cameras

Any of 4 output connectors are selectable:

Input name	Electrical Interface	Configuration	Connector / Mapping	Typical Usage
DVI-I	Integrated DVI (TMDS and RGB)	Per DVI specification	DVI/ Per DVI specification	Computer Monitors and TV
LVDS-S	LVDS	Serialized	HD26 / SPWG, LDI	TFT Panels
LVDS-CL	LVDS	Serialized	MDR-26 / CameraLink (8,10,12,14,16 bit)	Cameras
LVDS-P	LVDS	Parallel	68 Pin SCSI/ Per special mapping	Cameras

The configuration Utility allows selection of :

- 1 of 4 input connectors
- LVDS-S mapping input
- LVDS-CL mapping input
- 1 of 4 output connectors
- LVDS-S mapping output
- LVDS-CL mapping output

How to get started

Please contact us at (636) 300-5164. We will discuss your requirements and respond with a quotation. LD-400 can be used with the Westar VA-1 or EZscan for a host of conversion possibilities!

Ordering Identification

The LD-400 is delivered in a benchtop configuration (with feet). For rackmount applications, please order as LD-400-RM.

LD-400 Specifications

Input Specifications (Subject to change without notice)

Pixel Rate Up to 85 MHz

Output Specifications

Pixel Rate Up to 85 MHz

Electro Mechanical

Input Power IEC Connector, 100-240 VAC, 47-63 Hz, less than 60 Watts
 Control RS-232
 Size Standard config: 12.5"W x 4.6"D x 2.12"H –RM config: 19"W x 4.6"D x 1.75"H
 Weight Less than 5 lbs.

Warranty

One year

Each LD-400 delivery includes:

LD-400, (2) DVI to HD15 adapters, and HD26 mating connectors with solder cups