



CameraLink™ Duplicator

Datasheet CameraLink™ Base Line Duplicator



Key features

- CameraLink Base video interface
- up to 24-bit data (Tap A, B and C)
- up to 66 MHz pixel clock
- duplicates a CameraLink video input stream into two video output streams: master and slave
 - master video output stream includes:
 - video data and synchronisation
 - one RS-232 channel
 - control signals
 - slave video output stream includes:
 - video data and synchronisation

General

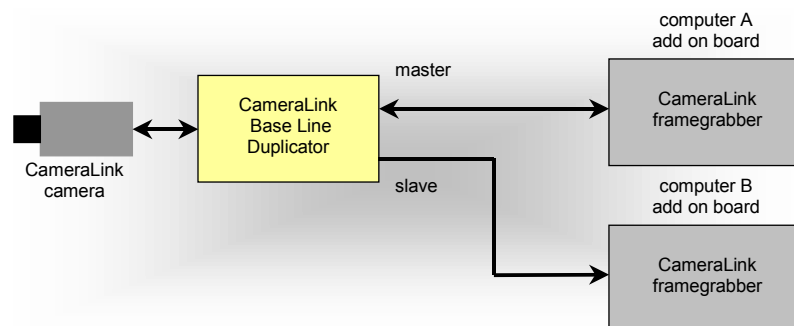
The CameraLink Base Line Duplicator duplicates CameraLink video data into two identical video streams: a master and a slave stream. Both streams can be used for processing or monitoring the video data.

The Duplicator accepts CameraLink Base video, up to 24-bit data.

The CameraLink Duplicator transfers video data and timing signals to both outputs. Camera Control signals and one full duplex serial communication channel (RS-232) are transferred to the master output only.

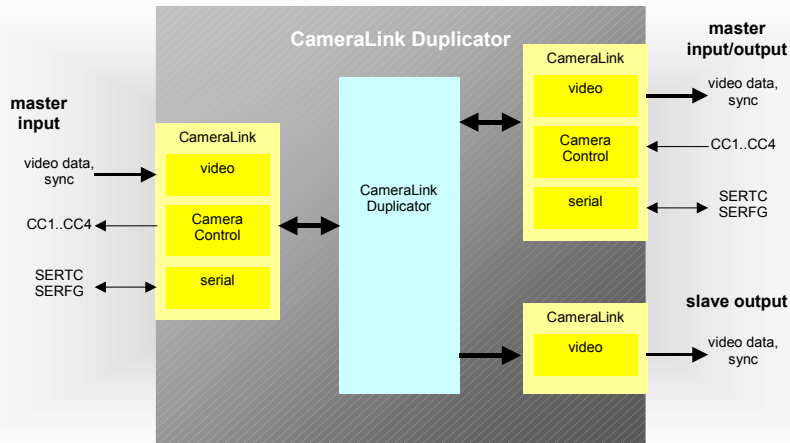
It is a transparent interface, compatible with all available CameraLink Base cameras and third party framegrabbers that comply with the CameraLink specification.

System



The generated CameraLink signals of the camera will be duplicated to two CameraLink streams: master and slave. These streams are transmitted to two computers with a CameraLink framegrabber. The CameraLink - CameraLink Duplicator - master output path is entirely transparent, delays are not introduced.

Architecture



Technical Specifications

CameraLink Base Line Duplicator DUP CL-24

CameraLink interface	Base 24 (tap A, B, C)
Pixel data	up to 24-bit
Pixel clock	up to 66 MHz
Video timing	FVAL LVAL DVAL STROBE
Camera Control*	CC1 to CC4
Serial Communication*	SERTC SERTFG
CameraLink Connector	MDR 26-pins

General

Power connector	4-pins subminiature round male connector Thomas & Betts: subminiature connector Triad '01' Binder: subminiature 'Circular Series 712'
Dimensions (l x w x h)	105 x 105 x 38.9 mm
Supply voltage	5 V to 12 V
Power consumption	3W at 6V, typical
Operating temperature	0° C to 70° C
	<i>* not available at slave output</i>

Options

DIN-rail enclosure
4 screw mount enclosure