

PRODUCT BRIEF

The CLever product family is designed for Camera Link applications. It connects two cameras and two frame grabbers with independently controllable image data path, camera control signals and serial communication. Images from cameras can be split to two frame grabbers for parallel processing or multiplexed into one frame grabber for cost saving. Control signals can be sent from the same frame grabber to different cameras for synchronization. Moreover, CLever can also be used as a repeater for Medium or dual Base configurations. Users can control the unit via a RS232 port or by the DIP switch on the front panel. The multiple functionalities provide great flexibility on system integration and cost saving solutions.

KEY FEATURES

- ❖ Fully supports Camera Link cameras/framegrabbers up to 85MHz pixel clock
- ❖ Multi-function capability
 - Switching connections between 2 cameras and 2 framegrabbers
 - Image splitter from 1 camera to 2 framegrabbers
 - Synchronously control 2 cameras from 1 framegrabber
 - Multiplex images from 2 cameras to 1 framegrabber
 - Repeater for dual base and medium configurations
- ❖ Image path, control path and serial communication are Independently controlled via RS232 port
- ❖ Available manual control via DIP switch
- ❖ 6 LED status indicators
- ❖ Single 5V~24V DC power supply
- ❖ Locking power supply connector
- ❖ Can be seamlessly used with our PHOX and PHIRE for extended distance

PHRONTIER™
TECHNOLOGIES

CLever™ Camera Link 2x2 Switch Splitter Repeater

CLever-SW
CLever-SP
CLever-RP



CLever Front View



CLever Back View

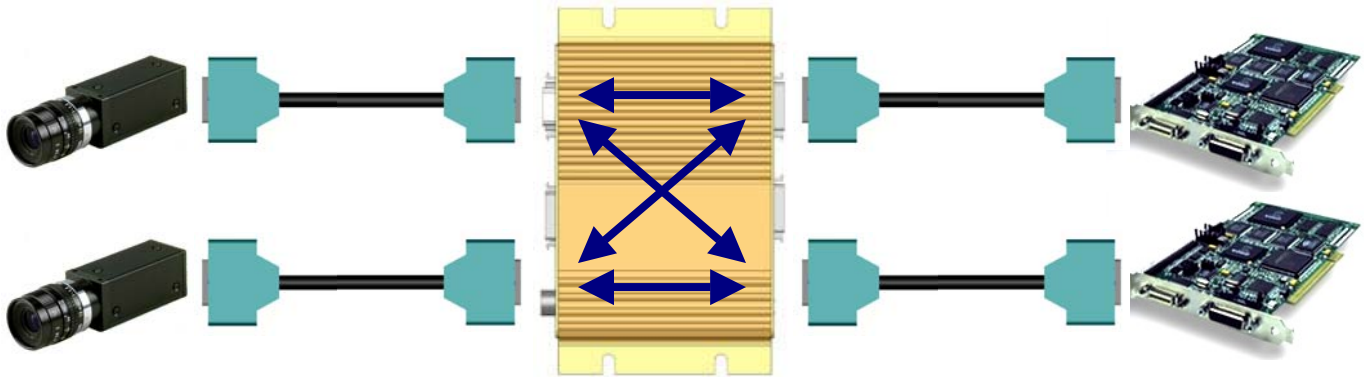


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MODEL and CAPABILITY

Functionalities	CLever-SW	CLever-SP	CLever-RP
2x2 CL Switch	√	--	--
CL Image Multiplexer	√	--	--
CL Image Splitter	√	√	--
Single Base Repeater	√	√	√
Dual Base/Medium CL Repeater	√	--	√

TYPICAL SET UP DIAGRAM



TECHNICAL SPECIFICATIONS

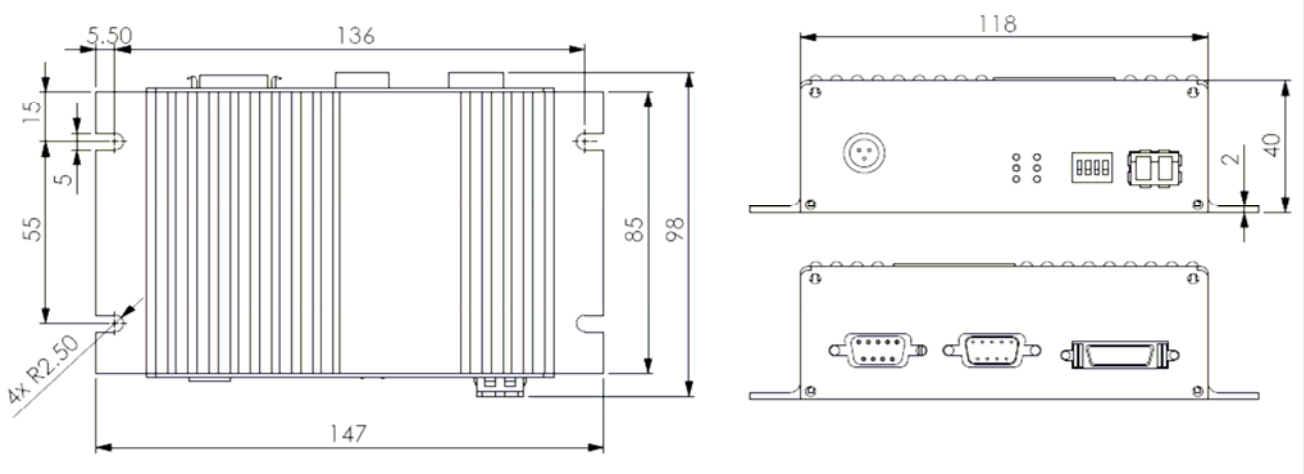
General Specification

Operating Temperature	0 ~ 70 °C
Input Voltage	DC 5 ~ 24 V
Supply Current	Typical 0.2A @12V
Typical Power Consumption	2.4W @ 25 °C
AC/DC Power Supply Connector	Switchcraft TA3F locking connector

Camera Link Interface

Pixel Clock	20 to 85MHz
Image Data Width	24 bits
Image Enables	FVAL, LVAL, DVAL, spare
Camera Control	CC1, CC2, CC3, CC4
Communication	SerTC, SerTFG
Connector Type	MDR26 receptacle

MECHANICAL INFORMATION (mm)



ORDERING INFORMATION

Model #	Check List
CLever-SW	1x CLever box
CLever-SP	1x 12V DC output international wall mount AC/DC power adapter with locking plug
CLever-RP	1x DB9 6 ft. female-female null modem cable
	1x User manual



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