

Camera Link Repeater

◆ RCL-300 (Medium / Full Configuration)



Description

Kortron, a leader in the market of pixel to pixel cabling solution, created Fiber Optics based Camera Link cable. Kortron cabling solution will be a perfect choice for overcoming the problems of facility access, capital cost, distance, EMI, ESD and bandwidth. Camera Link is a high-speed camera/frame grabber interface designed for high performance vision applications. Standard Camera Links deliver signals to 10 meters or less, occurring inflexible situations in many applications which requires longer distance image transmission between the camera and the frame grabber.

Key Features

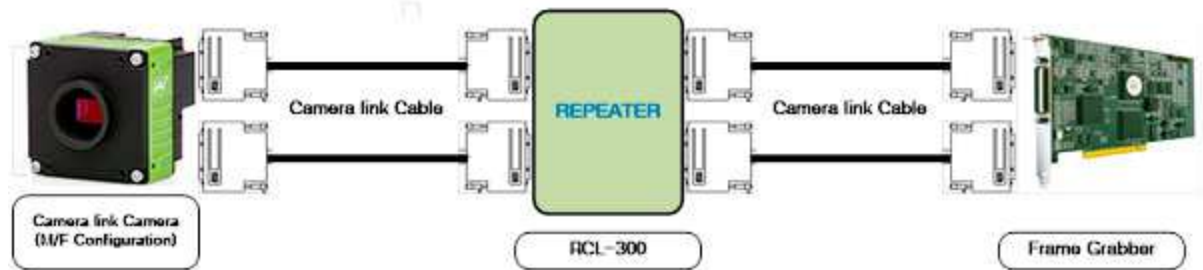
- ◆ All of Camera-Link Interface Compliance (Area and Line Scan)
- ◆ Support Medium and Full Configuration
- ◆ Support Pixel clock from 20 - 85MHz
- ◆ Zero loss and transparent transport
- ◆ Locking DC power connector
- ◆ Attaches to the compact MDR26 connect

Applications

- ◆ Machine Vision Applications
- ◆ Product inspection - PCB, LCD, Wafer
- ◆ Bar code reading and sorting
- ◆ Medical Imaging
- ◆ Port/Harbor cargo container management
- ◆ Railroad measurement/inspection
- ◆ Cameras placed in harsh environment
 - Nuclear plant, Chemical plant, Factory
- ◆ Bridge inspection
- ◆ Military & Defense Applications
- ◆ Astronomy
- ◆ Computer microscopy
- ◆ Multi-media

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Typical Set Up Diagram



Technical Specifications

- General Specification

Operating Temperature	0 ~ 40 [°C]
Input Voltage	DC 5 ~ 24 [V]
Typical Supply Current @ 12V DC	100 [mA]
Connector Type	SN8-4K 4 Pin
Weight (Approximate)	300 Gram each module

- Camera link Interface

Pixel Clock Range	20 ~ 85 [MHz]
Supported Camera Configuration	Base / Medium / Full
Effective Data Throughput	
Connector Type	Camera Link (MDR)