

# RCX C-Link Coax2

Remote camera extension adapter for Camera Link to two coaxial connectors



## Description

The RCX C-Link Coax2 is a remote camera extension module that adapts Camera Link data from a digital video camera to coaxial cable. The camera can be located up to several kilometers from the host computer, with the distance determined by the limits of the cable.

The RCX C-Link Coax2, similar in size to a Camera Link cable connector, attaches directly to the MDR26 connector on the back of the camera.

Two coaxial cables link the two SMA connectors to a second module, forming an extension cord which connects to an EDT or third-party Camera Link framegrabber. If the camera is free-running and you do not need to control it via serial or CC lines, only one coaxial cable is needed.

The RCX C-Link Coax2 supports a variety of base-mode cameras.

## Features

- Module adapts Camera Link data to a coaxial interface
- Attaches to the camera's MDR26 connector, replacing Camera Link cables
- Combines with a second module to form a coaxial extension cord
- Allows remote operation - camera can be up to several kilometers from host
- Supports data rates up to 120 MB/s

## Applications

- Astronomy
- Aerial mapping
- Computer microscopy
- Intelligent traffic systems
- Manufacturing / inspection
- Remote scientific monitoring
- Medical and nuclear imaging
- Image archiving
- Machine vision
- Multimedia
- Security

## Specifications

<b>Product Type</b>	RCX C-Link Coax2 is a remote camera extension adapter for converting Camera Link to coaxial via two coaxial SMA connectors.	
<b>Memory</b>	FIFOs for up to several lines of data; no frame memory	
<b>Data Rates</b>	Operates at 1.25 Gb/s, passing video data at up to 120 MB/s for base mode	
<b>Camera Link Compliance</b>	Modes supported	Base
	Data rate	24 bits (20 to 40 MHz) or 16 bits (20 to 60 MHz)
	Serial	9600 to 19,200 baud
	CC1 - CC4	Discretely programmable for steady-state, trigger, and timed pulse
	Connector	MDR26 for data and control
<b>EU Compliance</b>	CE	Contact EDT
	RoHS	Contact EDT
	WEEE	WEEE directive 2002/96/EC
<b>Noise</b>	0 dB	
<b>Coaxial</b>	Impedance	50 ohms
	Connectors	Two SMA
	Tolerance	Up to 30 dB loss
	Cabling	Purchased separately
<b>Triggering / Serial</b>	Via Camera Link, or externally via power / trigger connector (optocoupled MIKMO-7S)	
<b>Power</b>	Connector	MIKMO-7S from ITT Cannon - mate to MIKM6-7P
	Adapter	110 or optional 220 V input; 5 V output
	Load	Less than 3 W at 5 to 18 V
<b>Physical</b>	Weight	4 oz. typical
	Dimensions	2.4 x 1.6 x 0.75 in.
<b>Environmental</b>	Temperature	Operating -40° to 60° C Non-operating -40° to 60° C
	Humidity	Operating 20% to 80%, non-condensing at 40° C Non-operating 95%, non-condensing at 40° C
<b>System and Software</b>	System requirements and EDT-provided software driver packages are discussed in the specifications for your framegrabber.	

## Support

EDT offers engineer-to-engineer customer support, from phone consultation to custom design of hardware, firmware, and software. Contact us for options and details.

## Contact

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## Ordering Options

- Cabling: Purchased separately
- Power adapter: **110 / 220 V**

**Ask about custom options.**