



ADAPT-A-LINK FAMILY

REPEATERS AND CONVERTERS

DVICL	MLC
CLCL	MCL
LVLV	BRC
BLC	BCR
BCL	MRC
	MCR



Features

- Base, Medium, Full Camera Link
- DVI (VGA to UXGA)
- LVDS, RS422
- Up to 80 data signals
- Up to 8 enable signals
- Up to 4 control signals
- Up to 2 data clocks
- RS232 serial interface
- Small and compact

Applications

- Medical and Scientific Imaging
- Machine Vision and Metrology
- Microscopy
- Remote Sensing
- Surveillance

The **Adapt-A-Link™** series of converters allows customers to leverage their investment in existing cameras or frame grabbers, with dissimilar interfaces, by performing the necessary adaptation between DVI, Camera Link™, LVDS or RS422 interfaces.

The **Adapt-A-Link™** series of repeaters overcome the distance limits imposed by the Camera Link and LVDS standards, providing for a virtually unlimited reach.

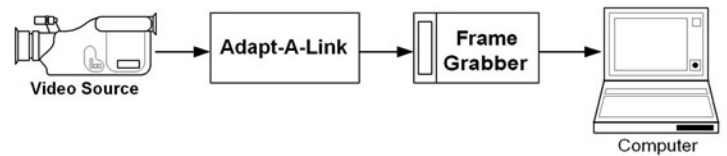
FLEXIBILITY... CONVENIENCE... PERFORMANCE...
ADAPT-A-LINK

ADAPT-A-LINK Specifications

LVDS Repeater

LVLV	Input Interface	Output Interface
	32 LVDS data inputs 4 LVDS enable inputs 4 LVDS control outputs 1 LVDS clock input 1 RS232 serial interface	32 LVDS data outputs 4 LVDS enable outputs 4 LVDS control inputs 1 LVDS clock output 1 RS232 serial interface Data Clock - 66 MHz
	Power	
	6.0 VDC 300 mA	

DVI → Camera Link ↔ LVDS ↔ RS422 ↔ Camera Link



Camera Link Repeater

CLCL	Input Interface	Output Interface
	Full Camera Link Up to 80 data inputs	Full Camera Link Data clock - 85 MHz max
	Power	
	6.0 VDC 300 mA	

DVI digital video input to Camera Link video output

DVICL	Input Interface	Output Interface
	DVI-D Resolution from VGA (640 x 480) to UXGA (1600 x 1200)	Dual Base Camera Link Data clock - 82.5 MHz max
	Power	
	6.0 VDC 300 mA	

LVDS (RS644) to Base Camera Link Interface

BLC	Input Interface	Output Interface
	24 LVDS data inputs 4 LVDS enable inputs 4 LVDS control outputs 1 LVDS clock input 1 RS232 serial interface	Base Camera Link Data clock - 66 MHz max
	Power	
	6.0 VDC 300 mA	

Base Camera Link to LVDS (RS644) Interface

BCL	Input Interface	Output Interface
	Base Camera Link Data clock - 66 MHz max	24 LVDS data outputs 4 LVDS enable outputs 4 LVDS control inputs 1 LVDS clock output 1 RS232 serial interface
	Power	
	6.0 VDC 500 mA	

LVDS (RS644) to Medium Camera Link Interface

MLC	Input Interface	Output Interface
	48 LVDS data inputs 8 LVDS enable inputs 4 LVDS control outputs 2 LVDS clock inputs 1 RS232 serial interface	Medium Camera Link Data clock - 66 MHz max
	Power	
	6.0 VDC 500 mA	

Medium Camera Link to LVDS (RS644) Interface

MCL	Input Interface	Output Interface
	Medium Camera Link Data clock - 66 MHz max	48 LVDS data outputs 8 LVDS enable outputs 4 LVDS control inputs 2 LVDS clock outputs 1 RS232 serial interface
	Power	
	6.0 VDC 500 mA	

RS422 to Base Camera Link Interface

BRC	Input Interface	Output Interface
	24 RS422 data inputs 4 RS422 enable inputs 4 RS422 control outputs 1 RS422 clock input 1 RS232 serial interface	Base Camera Link Data clock - 33 MHz max
	Power	
	6.0 VDC 300 mA	

Base Camera Link to RS422 Interface

BCR	Input Interface	Output Interface
	Base Camera Link Data clock - 33 MHz max	24 RS422 data outputs 4 RS422 enable outputs 4 RS422 control inputs 1 RS422 clock output 1 RS232 serial interface
	Power	
	6.0 VDC 600 mA	

RS422 to Medium Camera Link Interface

MRC	Input Interface	Output Interface
	48 RS422 data inputs 8 RS422 enable inputs 4 RS422 control outputs 2 RS422 clock inputs 1 RS232 serial interface	Medium Camera Link Data clock - 33 MHz max
	Power	
	6.0 VDC 500 mA	

Medium Camera Link to RS422 Interface

MCR	Input Interface	Output Interface
	Medium Camera Link Data clock - 33 MHz max	48 RS422 data outputs 8 RS422 enable outputs 4 RS422 control inputs 2 RS422 clock outputs 1 RS232 serial interface
	Power	
	6.0 VDC 1000 mA	

For specific details and ordering information, consult the product user's manual or contact us at sales@imperx.com.

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