



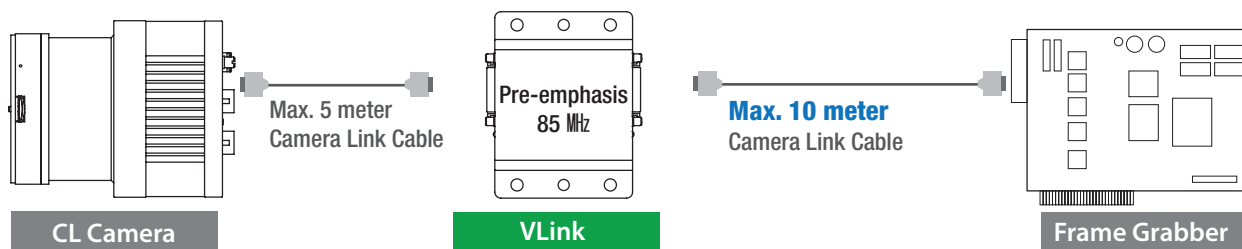
vieworks

# VLink Series Camera Link Repeater



VLink Series is a cost-effective Camera Link repeater to dramatically increase the distance between a camera and frame grabber. It amplifies video signals that are attenuated on the Camera Link cable and doubles the available cable length through LVDS output connector equipped with a pre-emphasis feature. VLink Series allows not only to simplify the machine vision systems but also to save the cost with the least number of the repeaters and cables.

## Doubles the Link Distance



## Main Features

- \* Doubles the maximum distance between camera and frame grabber
- \* Supports Camera Link Base, Medium and Full configurations
- \* PoCL compatibility allows to use PoCL cameras and frame grabbers
- \* Supports cascade configuration to extend greater distances
- \* Optional power input receptacles to use with non-PoCL frame grabber
- \* Plug-and-Play, no programming required
- \* Robust Industrial Housing

## Applications

- \* General Machine Vision Inspection

[machinevision.vieworks.com](http://machinevision.vieworks.com)



# VLink Series Camera Link Repeater



## Specifications

Model	VLink-BASE	VLink-FULL
Camera Link Configuration	Base	Base/Medium/Full
Pixel Clock	20 ~ 85 MHz	
Connector Type	MDR 26 / PoCL Compliant	
Operating Temperature	0 ~ 50°C	
Power Requirements	8 ~ 24 V DC	
Power Supply	Power adapter (not included) or PoCL compliant	
Power Consumption	Typ. 2 W	Typ. 4 W
Weight	160 g	400 g
Dimension (W×H×L) / Weight	92 mm × 23 mm × 68 mm / 160 g	92 mm × 23 mm × 87.5 mm / 400 g

### †Max. Cable Length by Pixel Clock

Configuration	Camera to VLink	VLink to VLink or Grabber
Cable Length	40 MHz	< 10 m
	60 MHz	< 8 m
	85 MHz	< 5 m (4 m at 10 Tap)

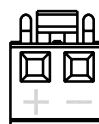
† Max. cable length may vary depending on the type of cables and systems.  
Standard Camera Link cables are recommended.

## Ordering Scheme

VLink - Base - 01	
Repeater Series	Connector Type
VLink	01 - MDR-26
	02 - SDR-26
Supported Configurations	
Base - Base configuration	
Full - Base, Medium and Full configurations	

## Connector Specification

Power

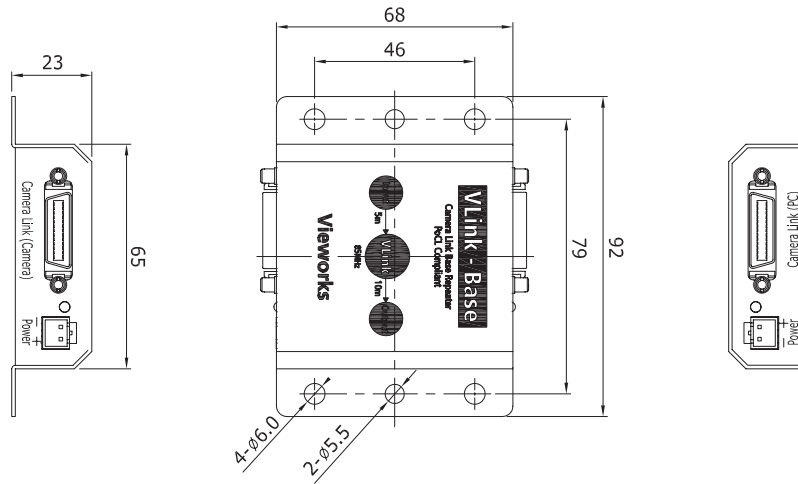


Female socket : Molex, 51067-2,  
3.5 mm pitch

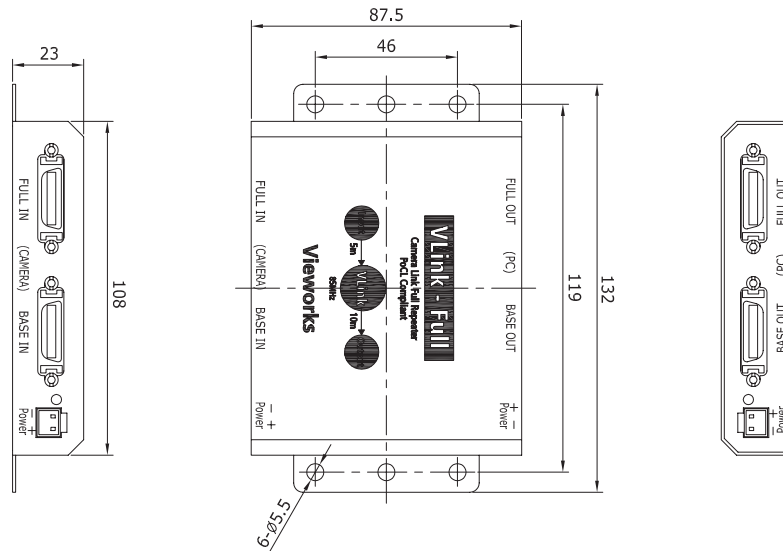
# Mechanical Dimensions

Unit : mm

## VLink BASE



## VLink FULL



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