



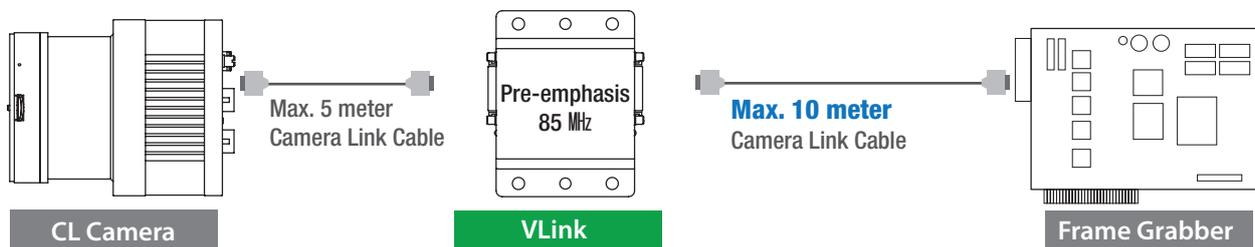
vieworks

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

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)

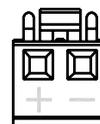
† Max. cable length may vary depending on the type of cables and systems. Standard Camera Link cables are recommended.

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

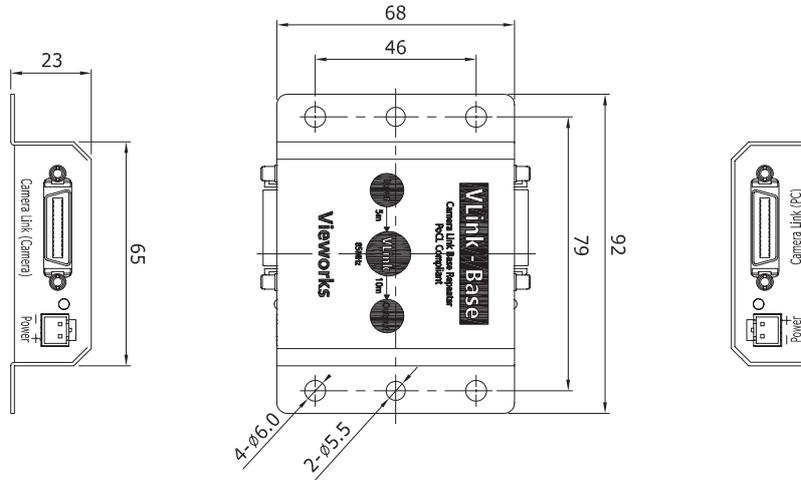


Female socket : Molex, 51067-2,
3.5 mm pitch

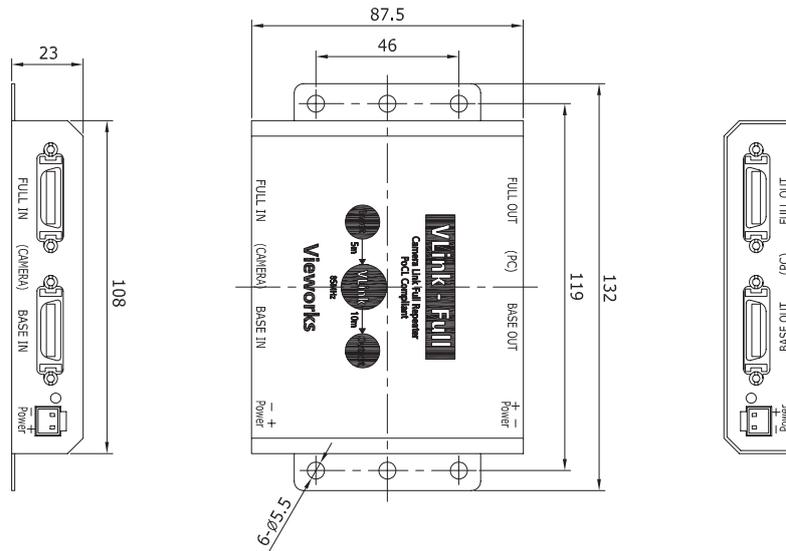
Mechanical Dimensions

Unit : mm

VLink BASE



VLink FULL



For more information please contact local distributor or visit our website at <http://machinevision.vieworks.com>.

Reproduction in whole or in part without written permission is prohibited. Vieworks Co., Ltd. is not responsible for any technical or typographical errors and reserves the right to make changes to products, specifications and documentation without prior notice.

RA14-11A-009



vieworks

ISO-9001, ISO-13485

Corporate Headquarters

Vieworks Co., Ltd. # 604 Suntechcity II, 307-2 Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, 462-736 South Korea
tel +82-70-7011-6161 fax +82-31-737-4936 e-mail sales@vieworks.com website machinevision.vieworks.com