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BASLER CAMERALINK 2.0 PCI EXPRESS FRAME GRABBER CARDS

A- & V- series

2200000360
microEnable 5 marathon VCLx

- Support of Area and Line Scan cameras
- DMA1800 /up to 1800 MB/s or DMA3600 / up to 3.6 GB/s
- PoCL SafePower
- DeepVCL model includes onboard image preprocessing functions

PRODUCT DESCRIPTION

Basler CameraLink 2.0 PCI Express Frame Grabber Cards are engineered for high-speed, high-resolution image acquisition in demanding machine vision applications.These frame grabbers support both area and line scan cameras compliant with the Camera Link 2.0 standard, offering data transfer rates up to 3.6 GB/s through DMA3600 technology.They feature Power over Camera Link (PoCL) SafePower, enabling simultaneous data and power transmission over a single cable, which simplifies system integration and reduces cabling complexity.Certain models, such as the DeepVCL, include onboard image preprocessing capabilities optimised for deep learning applications, enhancing real-time image analysis and reducing the processing load on the host system.
In practical applications, these frame grabbers are ideal for industries requiring precise and rapid image processing, such as semiconductor inspection, medical imaging, and high-speed industrial automation.Their ability to handle large data volumes with low latency makes them suitable for tasks like defect detection, dimensional measurement, and object recognition.The robust PCIe x4 interface ensures reliable data transfer to the host PC, while the support for multiple camera configurations provides flexibility in system design.With their advanced features and high performance, Basler CameraLink 2.0 PCI Express Frame Grabber Cards are a valuable component in sophisticated vision systems.

TECHNICAL DATA

Camera interface	Cameralink 2.0
Connector	SDR26
Dimensions	167.64mm (L) x 111.15mm (H)
FPGA	Yes
Memory	2 GByte DDR3-RAM
Number of ports	2
Operating temperature	0°C … +85°C
PC Bus Interface	PCI Express x4
Storage temperature	-50°C … +80°C