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BASLER GIGE PCI EXPRESS FRAME GRABBER CARDS

A- & V- series

108100
microEnable IV VQ4-GPoE



- Professional GigE Vision solution
- Power over GigabitEthernet
- Versatile application and industry usage
- up to 4 x GigE vision cameras

PRODUCT DESCRIPTION

Basler GigE PCI Express Frame Grabber Cards are high-performance interface solutions designed to maximise the efficiency and reliability of GigE Vision camera systems. These frame grabbers support multiple Gigabit Ethernet ports, allowing the simultaneous connection of several cameras while maintaining high data throughput and low latency. Built on PCIe Gen2/Gen3 interfaces, they offer bandwidths of up to 4 Gbps per port, ensuring smooth image acquisition even in data-intensive applications. Advanced features include real-time image data buffering, hardware-based timestamping, and optimised DMA transfers, which significantly reduce CPU load and improve overall system responsiveness.
Basler GigE PCIe Frame Grabber Cards are ideal for multi-camera setups in machine vision environments such as automated inspection, high-speed sorting, and 3D imaging. They are particularly beneficial in systems requiring synchronised image capture, where consistent timing and fast data handling are critical. These cards also support long cable lengths and flexible camera placement, making them suitable for large-scale or distributed vision systems in sectors like logistics, electronics manufacturing, and surveillance. With robust performance and seamless integration into industrial PCs, Basler's frame grabber cards help ensure stable and efficient operation of complex vision systems.

TECHNICAL DATA

Camera interface	GigE PoE
Connector	RJ45
Dimensions	167.64mm (L) x 111.15mm (H)
FPGA	Yes
Memory	512 MByte DDR-RAM
Number of ports	4
Operating temperature	0°C … +40°C
PC Bus Interface	PCI Express x4
Storage temperature	-50°C … +80°C