**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# BASLER COAXPRESS 1.0 1.1 PCI EXPRESS FRAME GRABBER CARDS

A- & V-Series

2200000357
microEnable 5 marathon VCX-QP



- Power over CoaXPress
- DMA 1800 - up to 1800 MB/s, DMA3600 - up to 3.6 GB/s
- High performance image processing and acquisition
- Industrial multi-device, multi-camera support

### PRODUCT DESCRIPTION

Basler CoaXPress 1.0/1.1 PCI Express Frame Grabber Cards are engineered for high-speed image acquisition in demanding machine vision applications.These frame grabbers support multiple CoaXPress cameras, offering data transfer rates up to 3.6 GB/s through DMA3600 technology.They feature Power over CoaXPress (PoCXP), enabling simultaneous data and power transmission over a single cable, which simplifies system integration and reduces cabling complexity.Certain models, such as the microEnable 5 marathon VCX-QP, include onboard image preprocessing capabilities optimized 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 CoaXPress 1.0/1.1 PCI Express Frame Grabber Cards are a valuable component in sophisticated vision systems.

# TECHNICAL DATA

| | |
|---|---|
| **Accessory type** | Card |
| **API configuration** | .net interface, Framegrabber SDK |
| **Approvals** | CE, RoHS, FCC, UKCA |
| **Camera interface** | CoaXPress 1.0/1.1 |
| **Connector** | DIN 1.0/2.3 |
| **Dimensions** | 167.64mm (L) x 111.15mm (H) |
| **Fan** | Yes |
| **FPGA** | Yes |
| **Memory** | 2 GByte DDR3-RAM |
| **Number of ports** | 4 |
| **Operating temperature** | 0°C … +85°C |
| **PC Bus Interface** | PCI Express x4 |
| **Processor** | Xilinx Kintex7 XC7K160T |

| | |
|---|---|
| **Resolution max** | 16k (-32k)*65k (area scan sensor, depends on applet),16k - 32k (line scan sensor, depends on applet) |
| **Storage temperature** | -50°C … +80°C |
| **User interface** | CoaXPress |
| **Weight** | 168 g |