

CFG-8724 4-CH PCI Express® GigE PoE Frame Grabber

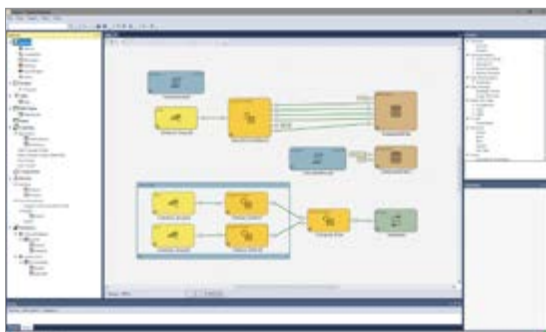
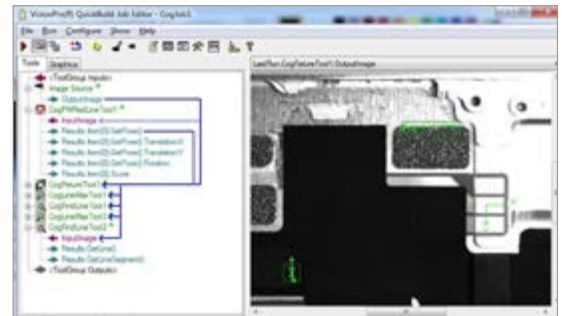
Cognex's CFG-8724 frame grabber is a PCI Express® x4 lane, GigE, PoE (Power over Ethernet) frame grabber that supports four independent Gigabit Ethernet ports for multiple GigE Vision device connections. It is designed to work with Cognex Vision Software but can also be used as a stand-alone GigE network interface card to meet many machine vision application requirements.



- Trusted Cognex Brand
- Designed for Cognex Vision Software
- PCI Express x4 compliant
- 4 independent GigE Vision ports
- Smart PoE function for easy power status programming
- LED indicating connectivity status
- Up to 20 W PoE power supply from PCIe bus
- Supports IEEE 802.3at for PoE+
- Link aggregation and jumbo frames (9 KB)
- Security device for Cognex software license

Integrates with Cognex's vision software development environments

VisionPro machine vision software is a suite of Cognex software tools for the Microsoft® Visual Studio® .NET programming environment. VisionPro combines the power and flexibility of advanced programming with the ease of development using the integrated QuickBuild™ fast prototyping environment.



Cognex Designer makes it faster to build complete vision applications and allows developers to more easily take full advantage of the powerful VisionPro tool library. A graphical, flow-chart-based programming environment results in a diagrammatic representation that allows for faster development cycles and easier application maintenance and support.

Simplifies installation and lowers costs

The CFG-8724 supports Power over Ethernet (PoE), combining power and signal supply into a single cable. It also enables simultaneous multi-camera acquisition and data transfer rates of up to 1000 Mb/s.

Extensible architecture allows the CFG-8724 to maintain support for existing cameras while easily adding new ones. From legacy cameras to the latest high-speed, color, GigE Vision technology, the CFG-8724 meets many application requirements.

Reduces energy consumption

The CFG-8724 provides auto-detection to ensure compatibility with both PoE and conventional non-PoE devices. The camera power is automatically on when the PoE connection is established. With the smart PoE function, users can easily program power status for energy efficiency, especially when cameras are idle.

SPECIFICATIONS

Model Numbers	CFG-8724-000: Card only, no software CFG-8724-100: Card plus VisionPro PLUS CFG-8724-200: Card with VisionPro MAX CFG-8724-CD-100: Card plus VisionPro PLUS and Cognex Designer CFG-8724-CD-200: Card plus VisionPro MAX and Cognex Designer
Dimensions	167.65 mm (6.60 in) x 111.15 mm (4.38 in)
Operating Temperature	0 °C–55 °C (30 °F–131 °F)
Storage	-40 °C–85 °C (-40 °F–185 °F)
Input Voltage	3.3 VDC and 12 VDC (with PC system power)
Input from Power Connector (4-pin)*	Max 6 A @ 12 VDC
Input from PCIe Slot**	Max 2.1 A @ 12 VDC (compatible to PCIe spec), with connection cut off by fuse when exceeded.
PoE Output Voltage	44 to 48 V, PoE port positive voltage feed

*Max 61.6W PoE power w/ 4-pin (+12V@6A)

**Max 20W PoE power w/ PCIe slot (+12V@2.1A)

www.cognex.com/vision-software

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs and control traceability.

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