ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

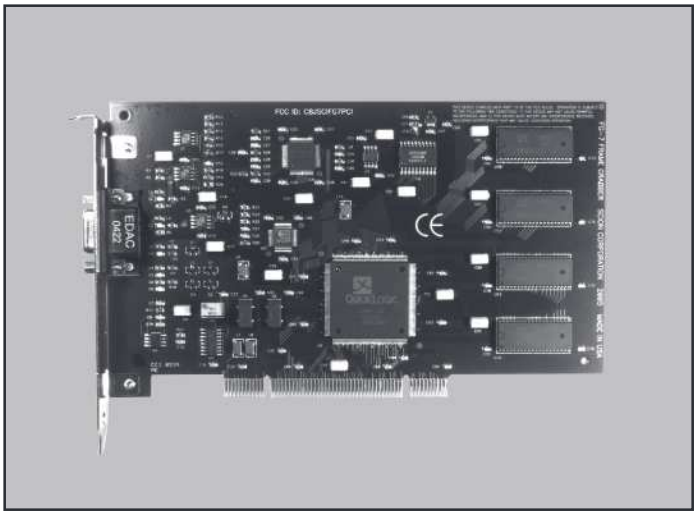
Find the *Scion Corporation FG-7* at our website: *Click HERE*

Scion Corporation FG-7

The FG-7 is a quantitative quality monochrome frame grabber for the PCI bus suitable for a wide variety of scientific imaging applications. It is designed for use with scientific grade CCD cameras with either RS-170 or CCIR signaling. The FG-7 is easy to install and use, and comes with a variety of software support for both Microsoft Windows and Mac OS X platforms.

Features

- Low noise 8 bit grayscale image digitizer for PCI bus
- Macintosh and PC compatible, software provided
- Integrated video output for video printers or monitors
- Control of on-chip integrating cameras
- Software control of digitization range for gain and black level
- Short 7” board compatible with both 5 and 3.3 volt PCI slots
- Works with both RS-170 and CCIR cameras
- Cable supporting all functions included at no extra charge



Description

The FG-7 for the PCI bus provides precise monochrome image digitization from both RS-170 and CCIR video sources. Capturing images in 8 bit depth at resolutions of 640 x 480 (RS-170) or 768 X 512 (CCIR), it is intended for use in a variety of scientific applications such as EtBr gel documentation. The ability of the FG-7 to control several models of on-chip integrating cameras makes it well suited in low-light applications.

The FG-7 provides black level and gain control through control of the range of digitization. Over 30,000 ranges of digitization allow the FG-7 to accommodate almost any video input level. The FG-7 also includes an integrated video output that allows the use of external video peripherals such as monitors or video printers.

The FG-7 comes with a five signal cable that supports all functions of the frame grabber: video in, video out, external trigger, integration, and video print activation. Software support, described at right, is provided at no extra charge.

Software Support

The FG-7 comes with several software options suitable for use in various imaging applications. First are FG-7 modules for ImageJ, the popular, free imaging application from the National Institutes of Health. ImageJ is a general purpose image acquisition and analysis package widely used in the biological sciences. FG-7 modules for ImageJ allow live video within ImageJ, full control over image parameters, and flexible capturing options.

Secondly, each FG-7 comes with TWAIN modules. TWAIN is an industry standard image acquisition plug-in architecture. With the TWAIN modules, the FG-7 can be used inside applications such as Adobe PhotoShop. The TWAIN modules are full-featured and easy to use.

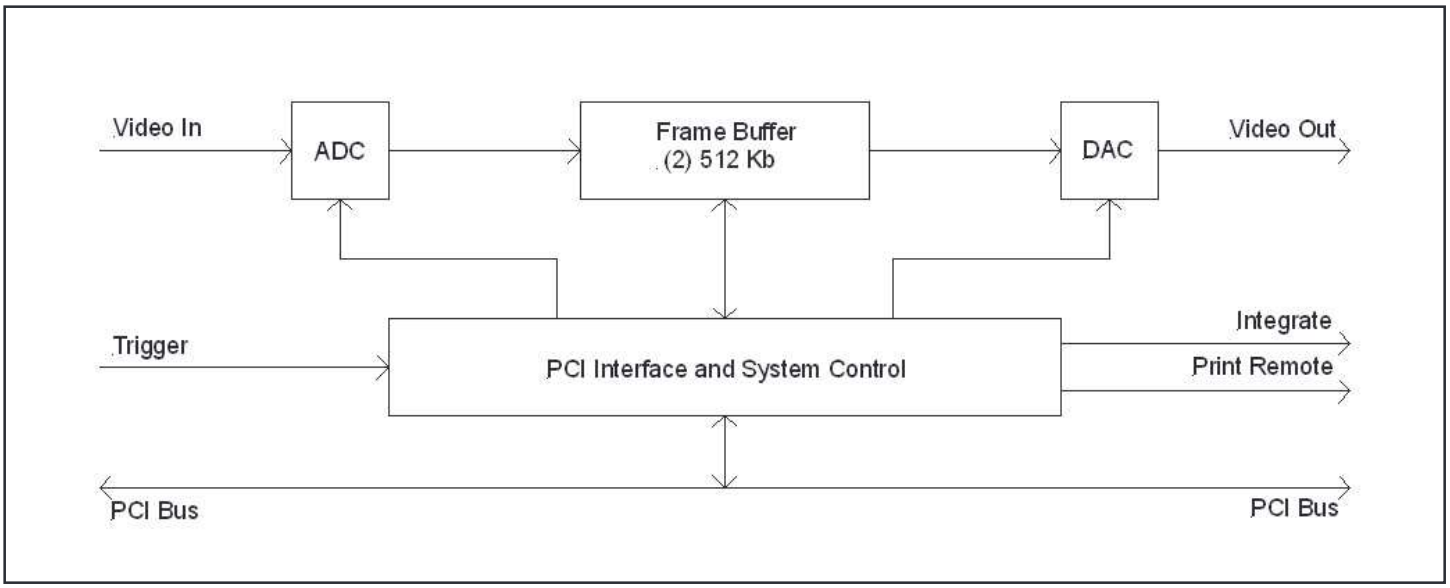
Finally, for those that wish to integrate the FG-7 into their own imaging applications, the FG-7 package includes full developer libraries and documentation at no additional cost. Libraries are included for both Microsoft Windows and Mac OS X platforms, as are the ImageJ and TWAIN modules.

SAIS 2, rue Henri Janin 78470 ST REMY LES CHEVREUSE - Tel : 01 30 47 45 86 - www.sais.fr - info@sais.fr

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Scion Corporation FG-7

Block Diagram



Specifications

Digitizing Speed (RS-170): 1/30 s
Digitizing Speed (CCIR): 1/25 s

Max Display Rate (RS-170): 30 fps
Max Display Rate (CCIR): 25 fps
Max Data Transfer Rate: 35 Mb/s

Pixel Depth: 8 bits
Resolution (RS-170): 640 x 480 pixels
Resolution (CCIR): 768 x 576 pixels
Pixel Aspect Ratio: 1 to 1
Frame Buffers: 2, 1 Mb total

Pixel Clock (RS-170): 12.288 MHz
Pixel Clock (CCIR): 15 MHz
Pixel Jitter: +/- 4 ns max

Video Inputs: 1 AC coupled
Video Input Level: 1 V peak to peak

Video Outputs: 1 DC coupled
Video Output Level: 1 V peak to peak

Integration Output: 1 TTL
Remote Print Output: 1 TTL
External Trigger: TTL falling edge

Installation: 1 PCI slot
Connector: 9 pin D shell

Dimensions: 6.875” x 4.2”
Operating Temperature: 0 to 50 deg C
Power: 7.5 W max

About Scion Corporation

Since 1991 Scion Corporation has been manufacturing imaging products for the scientific marketplace. It is our goal to provide quality products that will not strain your research budget.

FireWire and OS X are trademarks of Apple Computer, Inc. Windows 2000 and Windows XP are trademarks or Microsoft Corporation. Photoshop is a trademark of Adobe, Inc.

System Requirements

The FG-7 is compatible with all Macintosh and PC compatible computers with a PCI expansion slot. It is not compatible with PCI Express slots. The FG-7 requires a monochrome video source with RS-170 or CCIR timing characteristics. The FG-7 is primarily designed for use with CCD cameras or other precision video equipment and as such provides no time base correction of video signals

SAIS 2, rue Henri Janin 78470 ST REMY LES CHEVREUSE - Tel : 01 30 47 45 86 - www.sais.fr - info@sais.fr

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP