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 *Teledyne / Photometrics 01-490-001* at our website: *Click HERE*

Photometrics CoolSNAP cf™ COLOR

1392 x 1040 imaging array
4.65 x 4.65-µm pixels



The CoolSNAP™cf Color camera from Photometrics® incorporates low-noise electronics and moderate CCD cooling to achieve good low-light sensitivity and color fidelity. A megapixel sensor with small, square elements ensures that each image shows extraordinary detail. This feature, along with a high-speed digitizer, shutterless operation, and an interline-transfer CCD, makes the CoolSNAP cf Color camera ideal for high-resolution color microscopy.

Primary applications

- **Histology**
- **DIC microscopy**
- **Immunofluorescence**
- **FISH**
- **Fixed-cell GFP imaging**
- **High-resolution time-lapse microscopy**

Features	Benefits
20-MHz readout	Fast image readout for high-speed focus and image capture
1392 x 1040 imaging array 4.65 x 4.65-µm pixels	Resolves fine detail
Interline-transfer, progressive-scan CCD	Full resolution in every frame
12-bit digitization	Quantifies bright and dim signals in the same image
Thermoelectric cooling	Increases integration times for higher sensitivity
C-mount	Easily attaches to microscopes, standard lenses, or optical equipment
Subcompact, fanless design	Low profile allows easy setup
Dual-mode operation	Allows fast grayscale focusing and high-resolution color imaging
Acquisition software	Captures, analyzes, and saves high-resolution images
PCI interface	High-bandwidth, uninterrupted data transfer with no dropped frames
PVCam® Circular buffers Device sequencing	Supported by numerous third-party software packages Real-time focus Precise integration with shutters, filter wheels, etc. *Compatible with Windows® XP/Vista 32, Mac OS X, and Linux® (kernel versions 2.4 and 2.6.8)*

 ©2010 Photometrics. All rights reserved.

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

	Specifications
CCD image sensor	Sony® ICX205AK (color); interline-transfer, progressive-scan device with microlenses
CCD format	1392 x 1040 imaging array 4.65 x 4.65-µm pixels 1/2″ format
Grade	Sony Grade 0
Gain	3 e-/ADU
Linear full well	9700 e-
Read noise	10 e- rms @ 20 MHz
Nonlinearity	<5%
Digitizer type	12 bits @ 20 MHz
Dark current	<1 e-/p/s
Operating environment	15 to 30°C ambient
Dimensions	4.5″ x 5.0″ x 2.5″ (1.9 lbs)
Window	IR blocking (700-nm cutoff)
I/O	TTL output while exposing (BNC connector)
Color mask	RGB Bayer mosaic filter

Note: Specifications are typical and subject to change.

CoolSNAP is a trademark of Photometrics. Photometrics and PVCam are registered trademarks of Photometrics. Linux is a registered trademark of Linus Torvalds. Mac OS is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. Sony is a registered trademark of Sony Corporation. Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Other brand and product names are the trademarks or registered trademarks of their respective owners and manufacturers.

PHOTOMETRICS®

USA 520.889.9933
Asia Pacific +65.6841.2094
France +33.1.60.86.03.65
Germany +49.89.660.779.3
Japan +81.3.5639.2731
UK +44.1628.890858

www.photometrics.com
info@photometrics.com

 ©2010 Photometrics. All rights reserved.

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