

pco.oem advantage

Performance History

The pco.oem advantage is based on over 20 years of exemplary performance history, producing specialized fast and sensitive camera systems. Our world-class, high performance scientific digital camera systems have earned PCO / Cooke a leadership position in the field. We have created successful solutions for our customers in the scientific, military and industrial marketplaces. Drawing on our extensive camera design experience, we have taken a building block approach, while incorporating modern technologies, to create new products.

Competitive Advantage

Our OEM (Original Equipment Manufacturer) program delivers customized solutions that increase workforce productivity, reduce costs and improve operational efficiencies. The pco.oem advantage accelerates your time to market, reduces development costs and boosts your competitive advantage. Our goal is to provide unparalleled leadership in high performance digital camera technology through cutting-edge components, processes and controls to optimize camera performance.



Customer Focused

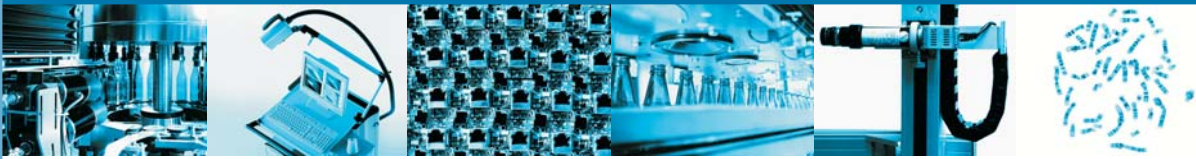
We provide customized camera solutions tailored to meet the specific camera needs of our OEM customers. Developed from our comprehensive lineup of world-class digital camera systems, these solutions stem from our extensive expertise in the field. Custom solutions for short-run or high-volume production are also available.

We work step-by-step, in consultation with our OEM customers to obtain a custom-tailored solution based on company-specific critical parameters.

- Sensitivity, Dynamic Range, Spatial Resolution, Frame Rate
- Preferred Form Factor
- Cost Requirements
- Timelines

In Action

Our full-service program is powered by in-house software professionals who bring decades of experience to the table. This experienced staff, backed by our extensive programming libraries, combine to bring unparalleled, prompt support service and to reduce development time and costs for our customers. Our world-renowned software development kit (SDK) offers both ease of use and simple integration into existing OEM software.



pco.oem product gallery

...ultra offset stability

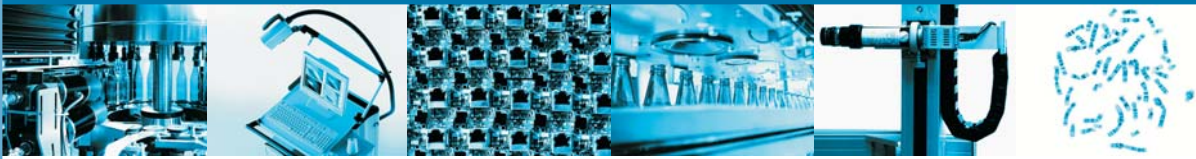


- 1392 x 1040 pixel resolution
- cooled 12bit dynamic range (5°C)
- optimal offset stability and control (≤ 1 count)
- low noise of $8e^-$ rms @ 10MHz
- firewire (IEEE 1394) data interface
- superior quantum efficiency up to 65%

...high dynamics and custom housing



- 1392 x 1040 pixel resolution
- cooled 12bit dynamic range (5°C)
- remote camera head with 10m cable
- serial high speed PCI bus frame grabber
- superior quantum efficiency up to 65%



...water tight housing

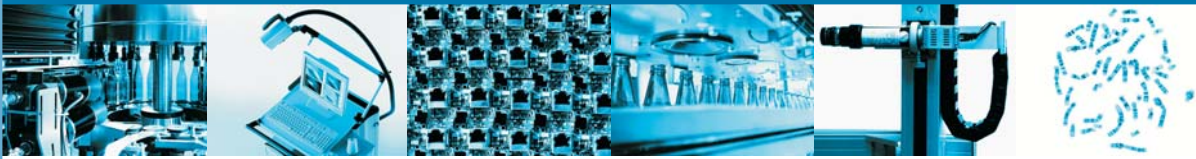


- IP67 water tightness class
- 12bit dynamic range
- 1/2" & 2/3" image sensors
- 10m remote camera head
- high speed serial PCI bus frame grabber
- digital temperature compensation

...submicron CCD alignment



- 1392 x 1040 pixel resolution
- high precision image plane alignment
- 12bit dynamic range
- digital temperature compensation
- high speed serial PCI bus frame grabber
- superior quantum efficiency up to 65%



...compact and high offset stability

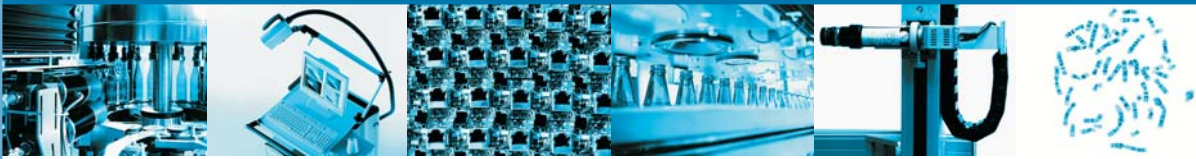


- 1360 x 1024 pixel resolution
- 1/2" CCD image sensor
- cooled 12bit dynamic range ($^{\circ}5C$)
- 10m remote camera head
- highspeed serial PCI bus framegrabber
- high offset stability (≤ 2 count)

...ultra compact



- ultra compact form factor
- 12bit dynamic range
- 1/2" & 2/3" image sensors
- 10m remote camera head
- high speed serial PCI bus frame grabber
- digital temperature compensation



...2kx2k



- 2048 x 2048 pixel resolution
- 10, 12, or 14bit dynamic range
- fast readout of 14.7 fps at 40MHz pixelclock
- low noise of 10 e- rms @ 10MHz
- firewire (IEEE 1394) data interface
- offset stabilization by temperature control at 5°C

contact

The Cooke Corporation
6930 Metroplex Drive
Romulus, MI 48174
USA
tel (248) 276 8820
fax (248) 276 8825
info@cookecorp.com
www.cookecorp.com

PCO AG
Donaupark 11
93309 Kelheim, Germany

tel +49 (9441) 2005 50
fax +49 (9441) 2005 20
info@pco.de
www.pco.de

pco.oem 11/2005
subject to changes without prior notice

© PCO AG, Kelheim