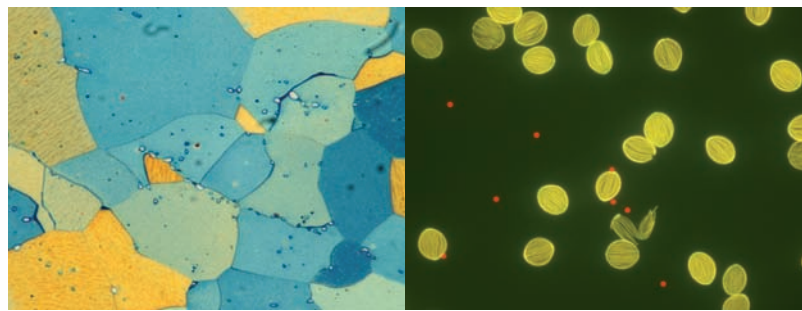
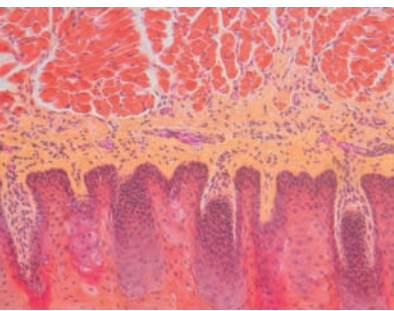




ProgRes® C14^{plus}

Proven Image Quality and Precision in True Color



Versatile Camera for Highest Requirements

The ProgRes® C14^{plus} is a multi-purpose camera to handle most demanding imaging tasks. Its modern 1.4 megapixel CCD sensor allows for a smooth and expedited workflow through fast frame rates.

Achieve first-class results in image presentation and evaluation: using Microscanning technology, the camera generates images up to 12.5 megapixel with even the tiniest details rendered accurately.

For high-grade image analysis or documentation, active sensor cooling and analog gain provide ideal prerequisites, warranting high sensitivity and broad dynamic range.

Colors Rendered Without Interpolation Effects

The ProgRes® C14^{plus} provides genuine color reproduction in proper detail – a feature you can rely on. Its patented Color-Co-Site-Sampling records the color information of your specimens exactly in three color channels for an absolutely real color image.

Easy to connect

Equipped with IEEE1394 Firewire and C-Mount, the camera conveniently connects to any computer and microscope. The CapturePro image acquisition software included in delivery offers comprehensive functionality and intuitive operation.

Versatile Application

The ProgRes® C14^{plus} is suited for all contrast methods in light microscopy. Microscanning provides express overview images and high-resolution detail images – captured with identical optics setting in stereo microscopy or macroscopy.

Benefits

- True color images without interpolation
- Perfect image quality and highest image resolution
- High sensitivity
- Ease of operation with comprehensive functionality
- Safe investment

ProgRes® C14^{plus}

Proven Image Quality and Precision in True Color

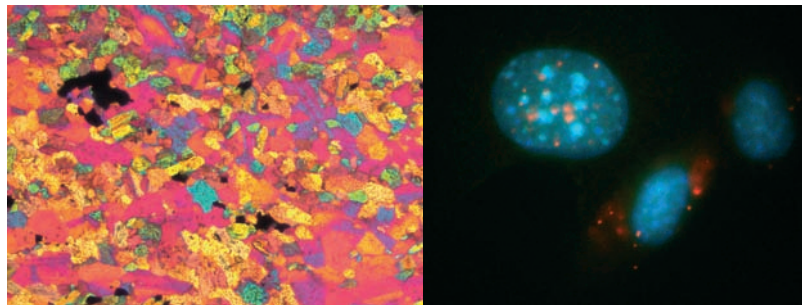
Specifications

CCD sensor	2/3" 1.4 Megapixel Color CCD, active area: 8.8 mm × 6.6 mm	
Sensor resolution	1360 × 1024 pixel	
Pixel size	6.45 μm × 6.45 μm	
A/D conversion	3 × 14 Bit RGB	
Pixel clock	12 MHz 24.5 MHz	
Dynamic range	69 dB 67 dB (measured at 10 ms exposure)	
Max. exposure	600 s	
Analog gain	1× ... 8×	
Frame rate	32 fps (at image size 680 × 512)	
Image resolution	1360 × 1024 (Progressive Scan & CCSS) 2720 × 2048 (Microscanning & CCSS) 4080 × 3072 (Microscanning & CCSS)	453 × 340 and 272 × 204 (Binning) 680 × 512 and 340 × 256 (HFRM) <i>CCSS = Color-Co-Site-Sampling</i>
Cooling	Peltier, fan, hermetically sealed sensor	
Digital interface	IEEE1394a Firewire	
Optical connection	C-Mount (0.63× TV adapter recommended)	
Trigger	Trigger-In and Trigger-Out for synchronization with external devices	
Tripod thread	Dual thread 3/8" and 1/4"	
Voltage supply	8 ... 33 VDC (via IEEE1394 connector)	
Power consumption	8 W	
Ambient conditions	Temperature: +5 °C ... +35 °C Humidity: 5 % ... 80 %, not condensing	
Dimensions (L × W × H)	145 mm × 93 mm × 123 mm	
Weight	800 g	
Capture software	ProgRes® CapturePro (TWAIN & Stand-Alone)	
Computer requirements	PC: Microsoft Windows 2000/XP/Vista Mac: Apple Macintosh OS X 10.4 or higher 3 GHz CPU, 1 GB RAM, 64 MB graphics IEEE1394 Firewire (OHCI compliant)	

It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.

Fields of Application

- Life science
- Genetics
- Microbiology
- Pathology
- Cell biology
- Pharmacy
- Material science
- Metallography
- Mineralogy
- Chemistry
- Macrophotography
- Forensics



JENOPTIK | Optical Systems
Digital Imaging Business Unit
JENOPTIK Laser, Optik, Systeme GmbH
Goeschwitzer Strasse 25 | 07745 Jena | Germany
Phone +49 3641 65-3083 | Fax -2144
progres@jenoptik.com | www.progres-camera.com