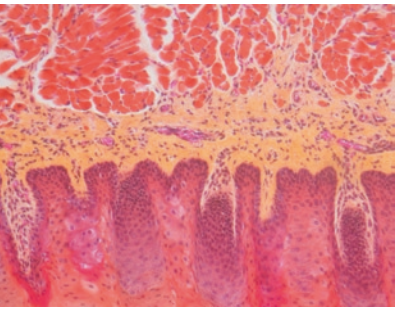
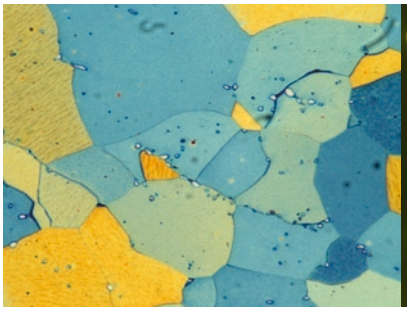
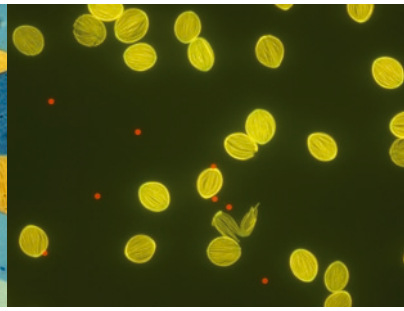
ProgRes® C14*plus*

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

Excellence through light: Sensors

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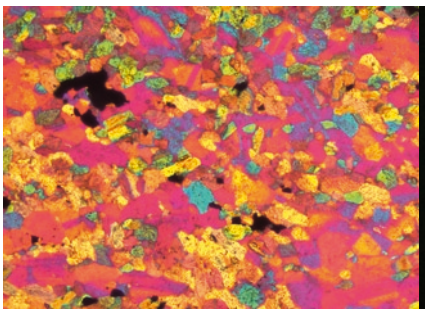
Specifications

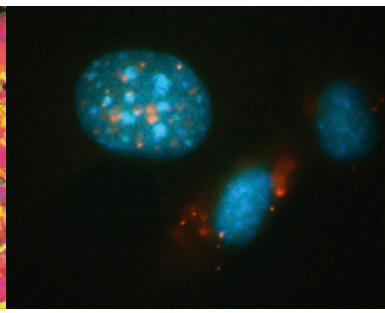
CCD sensor	2/3" 1.4 Megapixel Color CCD, active area: 8.8 mm × 6.6 mm	
Sensor resolution	1360 × 1024 pixel	
Pixel size	6.45 µm × 6.45 µm	
A/D conversion	3 × 14 Bit RGB	
Pixel clock	12 MHz | 24.5 MHz	
Dynamic range	69 dB | 67 dB (measured at 10 ms exposure)	
Max. exposure	600 s	
Analog gain	1× ... 8×	
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) *CCSS = Color-Co-Site-Sampling*
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





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