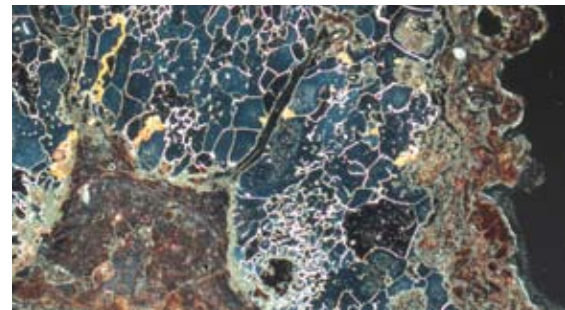
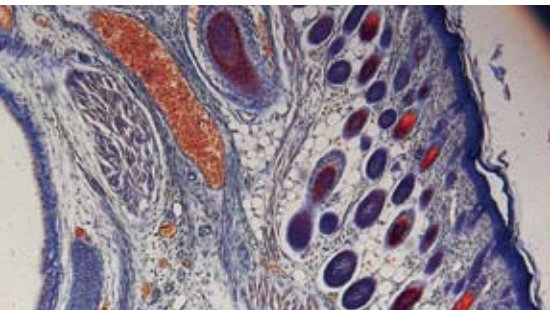




ProgRes® CCD Routine Cameras

Visualize exact colors



Superior color reproduction

Ease of operation, high resolution and excellent color reproduction are the distinguishing features of the cameras of the ProgRes® CCD Routine range.

With up to 7 mega pixels resolution, these cameras are ideal tools for high-quality image documentation and elementary image analysis. To facilitate precise focusing and positioning of specimens, a fast live image up to a rate of 50 fps is available in high resolution.

High resolution in motion

The ProgRes® C7 combines a 7 mega pixels CCD sensor with a mechanical shutter, presented as the first offer of a microscope camera that requires but a single shot to deliver this high resolution with superior image quality, including of objects in motion.

ProgRes® CCD Routine cameras produce excellent digital images of finest color gradings for sophisticated applications. Each camera model can work in all contrast methods in light microscopy. ProgRes® C3 and ProgRes® C5 are optionally available with cooling.

Benefits

- Perfect color reproduction
- Excellent image quality
- High resolution & fast live image
- Free ProgRes® capture software for easy operation
- Fit to any PC and microscope
- Safe investment
- Excellent price-performance ratio

ProgRes® CCD Routine Cameras

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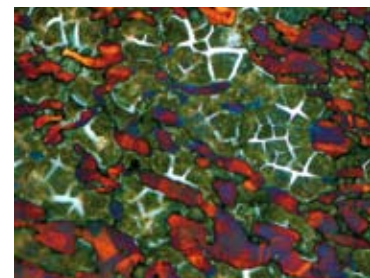
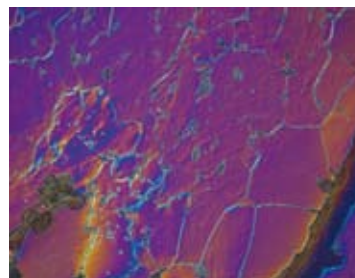
Specifications

ProgRes® camera type	C3	C5	C7
Image sensor	1/2" CCD	2/3" CCD	1/2.5" CCD
Color/ Monochrome	Color	Color	Color
Sensor resolution [max]	2080 x 1542 pixel [3.3 Mpix]	2580 x 1944 pixel [5.0 Mpix]	3072 x 2304 pixel [7.1 Mpix]
Pixel size	3.45 µm²	3.4 µm²	1.86 µm²
A/D conversion	12 Bit	12 Bit	12 Bit
Pixel clock	12 MHz	12 MHz 18 MHz	32 MHz
Dynamic range	61 dB	61 dB 60 dB	60 dB
Exposure times	500 µs ... 180 s	400 µs ... 180 s	200 µs ... 5 s
Analog gain	1x ... 8x	1x ... 8x	1x ... 16x
Max. frame rate [image size]	18 fps [1040 x 770 pixel]	9 fps [1290 x 972 pixel]	11 fps [1228 x 920 pixel]
Image resolution	Binning: 2x ... 5x Progr. scan: 346 x 256 692 x 512	2x ... 5x 644 x 490 1290 x 972	2x, 4x 614 x 466 1228 x 932
Cooling	optional	optional	no
Digital interface	FireWire a	FireWire a	FireWire a
Optical connection	C-Mount (0.5x TV pref.)	C-Mount (0.63x TV pref.)	C-Mount (0.5x TV pref.)
Trigger In/ Out	Synchronization with external devices; configurable via control software		
Voltage supply	FireWire powered	FireWire powered	FireWire powered
Power consumption	approx. 4 W	approx. 6 W	approx. 6 W
Ambient conditions	Temperature: 0 ... +35 °C / Humidity: 5 % ... 80 %, not condensing		
Stock conditions	Temperature: -20 ... +70 °C		
Dimensions (L x W x H)	89 mm x 84 mm x 93 mm		
Weight	approx. 700 g		
Software	ProgRes® CapturePro PC/ MAC (TWAIN for PC only); ProgRes® SDK		
External camera driver	available at: www.progres-camera.com		
Hardware requirements	PC: MS WIN 2000/ XP/ Vista Mac: OS X 10.4 or higher 3 GHz CPU, 1 GB RAM, 64 MB graphics, Firewire a or USB 2.0		

Fields of Application

Image analysis, documentation and archiving in micro- and macroscopy in the fields of:

- Material science, geology & mineralogy
- Life science, diagnostics
- Quality control
- Pathology & cell biology
- Forensics



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



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