



## ProgRes<sup>®</sup> CF<sup>cool</sup> and MF<sup>cool</sup> CCD Research Cameras

Image sensor	2/3" CCD progress. scan	Voltage supply	FireWire powered
CCD sensor type	Color / Monochrome	Power consumption	approx. 8 W
Sensor resolution [max]	1360 x 1024 pixel [1.4 Mpix]	Ambient conditions	Temperature: 0 °C ... +35 °C, Humidity: 5 % ... 80 %, non condensing
Active sensor size [H x V]	8.8 mm x 6.6 mm	Storage conditions	Temperature: -20 °C ... +70 °C
Pixel size	6.45 µm <sup>2</sup>	Dimensions [L x W x H]	145 mm x 93 mm x 123 mm
A / D conversion	14 bit	Weight	approx. 800 g
Pixel clock	12 MHz   24.5 MHz	Application software	ProgRes <sup>®</sup> CapturePro for PC/ MAC (TWAIN for PC only)
Dynamic range	67 ... 69 dB	SDK	ProgRes <sup>®</sup> SDK for PC, LINUX, MAC
Exposure times	94 µs ... 300 s	External camera driver	available at: <a href="http://www.jenoptik.com/progres">www.jenoptik.com/progres</a>
Analog gain	1x ... 8x	Hardware requirements	PC: MS WIN XP/ Vista /WIN 7 Mac: OS X 10.4 or higher, 3 GHz CPU, 1 GB RAM, 256 MB graphics, FireWire a, Multicore recommended
Max. frame rate [image size]	13 fps [1360 x 1024 pixel] 51 fps [680 x 512 pixel]		
Image resolution	Binning: 2x ... 10x (SDK)		
Cooling	yes		
Digital interface	FireWire a		
Optical connection	C-Mount (0.63x TV pref.)		
Trigger In / Out	yes		

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

