CoolSNAP fx Monochrome Photometrics 1300 x 1030 imaging array 6.7 x 6.7-µm pixels

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The Photometrics CoolSNAP_{fx} Monochrome camera is a fast, high-resolution digital camera system designed for low-light scientific and industrial applications. This cooled CCD camera system provides 12-bit digitization at 20 MHz. The fine pitch of the pixels, 6.7 x 6.7 microns, is ideally matched to the resolution of optical microscopes. Megapixel resolution and small pixels allow imaging of very fine detail, yet the pixels can be easily binned to improve sensitivity. Interline CCD technology provides high quantum efficiency in the blue/green.

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F E A T U R E S	B E N E F I T S
20-MHz digitization	Fast image readout for high-speed focus and image capture
1300 x 1030 imaging array 6.7 x 6.7-µm pixels	Resolves fine detail Ideally matched to optical microscope
Flexible binning and readout	Increases light sensitivity while increasing the frame rate
12-bit digitization	Quantifies both bright and dim signals in the same image
Thermoelectric cooling	Long integration times for higher sensitivity
C-mount	Easily attaches to microscopes, standard lenses, or optical equipment
PCI interface	Works with PC, Macintosh, or Linux®
Interline, progressive-scan CCD	Electronic shuttering eliminates camera vibration and facilitates fast triggering
Video output	Compatible with standard video equipment





