

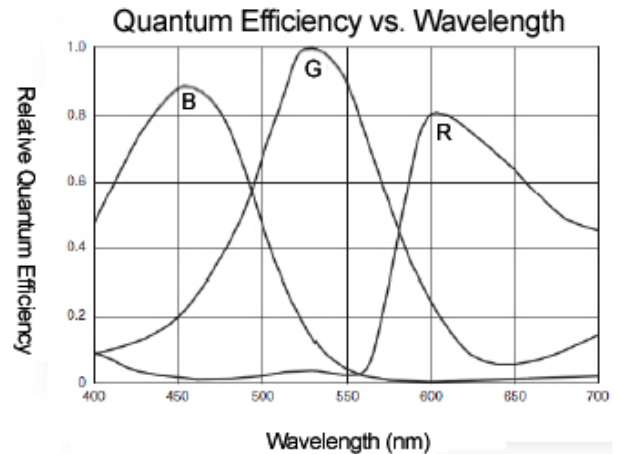
891CU MICROSCOPY CAMERA



High Resolution with Outstanding Sensitivity

With 3264 x 2472 resolution and on-board processing, the 891CU delivers excellent image quality utilizing the most advanced SONY® sensor on the market.

The 891CU cameras allow for up to 20 frames per second during operation in high speed mode and incorporates a low signal to noise ratio to keep images crisp. 891CU cameras are supplied with the latest Micrometrics® SE Premium imaging software which incorporates live image measurement and annotation, image stitching and image stacking as well as increased long exposure times in the live image preview.



Specifications

Resolution	8 MP
Power	USB Bus
Bit Depth	12-bit Digitization & Processing 12-bit RGB Uncompressed Output
Master Clock	24MHz
Enclosure	Die Cast Aluminum
Microscope Interfacing	Stainless Steel C-mount
Recommended Video Adaptor	0.55X
Sensor Technology	CCD
Pixel Array	3264H x 2472V
Sensitivity	10.2 DN/(nJ/cm ²) at Unity Gain with IR Filter
Pixel Size	2.22µm x 2.22µm
Signal-to-Noise Ratio	61dB
Imaging Area	7.282mm x 5.461mm 9.102mm Diagonal (1/1.8")
Electronic Shutter Type	Global
Frame Rate	2.2FPS at Full Resolution 20FPS in High-Speed Mode (2x2 Binning 1/5 Line Skip 1632x492 Full Field of View)
Maximum Exposure Time	200 Seconds
OS Compatibility	32-bit & 64-bit Windows XP, Vista and 7
IR Filter	BP680



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