

591CU MICROSCOPY CAMERA

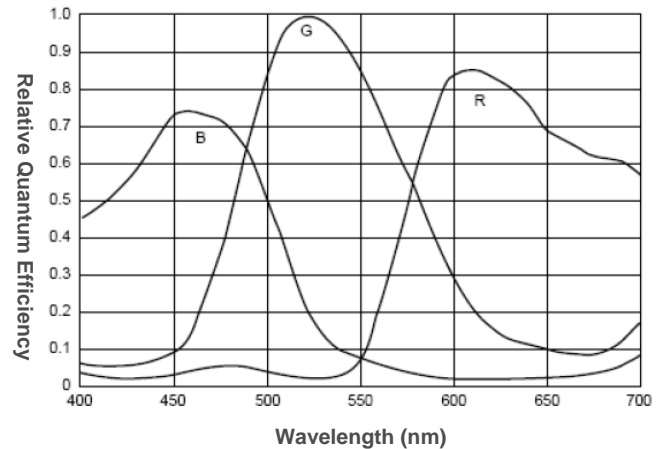


High Resolution With Outstanding Sensitivity

With 2608 x 652 resolution and on-board processing, the 591CU delivers excellent image quality utilizing the most advanced SONY® sensor on the market.

The 591CU cameras allow for up to 11.2 frames per second during operation in high speed mode and incorporate a low signal to noise ratio to keep images crisp. 591CU cameras are supplied with the latest Micrometrics® SE Premium imaging software which incorporates live image measurement and annotation, image stitching and image stacking

Quantum Efficiency vs. Wavelength



Specifications

Resolution	5 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	2608H x 1956V
Sensitivity	19.2 DN/(nJ/cm ²) at Unity Gain with IR Filter
Pixel Size	2.775µm x 2.775µm
Signal-to-Noise Ratio	61dB
Imaging Area	7.193mm x 5.395mm 8.991mm Diagonal (1/1.8")
Electronic Shutter Type	Global
Frame Rate	3.7FPS at Full Resolution 11.2FPS in High-Speed Mode (1/3 Line Skip 2608x652 Full Field of View)
Maximum Exposure Time	360 Seconds
OS Compatibility	32-bit & 64-bit Windows XP, Vista and 7
IR Filter	BP680



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