

## High Resolution with Outstanding Sensitivity

With 2608 x 652 resolution and on-board processing, the 519CU delivers excellent image quality utilizing the most advanced sensor on the market. The 519CU 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. 519CU cameras are supplied with the latest SE Premium imaging software which incorporates live image measurement and annotation, image stitching and image stacking.



### 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 <sup>2</sup> ) 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