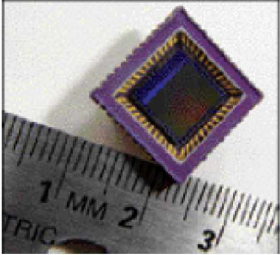


Micrometrics™ 122CU

USB 2.0 Digital Camera for Microscopy



Achieving CCD Image Quality!

Optical Format	1/2"	 <p style="text-align: center;">122CU Color 1.3-Megapixel Camera</p>
Imaging Area	6.83mm x 5.45mm	
Resolution	1280H x 1024V	
Pixel Size	5.2µm x 5.2µm	
Signal/Noise Ratio	45dB	
Dark Current @ 25 °C	20e/s	
Temporal Noise	<10e	
Responsivity	>1.8 V/Lux-Second @ 550nm	
Exposure Range	10 µs to 500 ms	Only the subinterval [5ms-305ms] is used for best image quality.
Frame Rate	Max 30 fps Average 15 fps @ Full Resolution Progressive Scan	
Shutter	Electronic Rolling	
ADC	10-bit	
Dynamic Range	61dB	
Color	Bayer RGB Mosaic	Uncompressed 3 x 8-bit Output
Power Requirement	USB Bus Power	
On-Board Processing	Continuously Auto Exposure Continuously Auto White Balance with Manual Red/Blue Gain Tuning Manual Exposure Control Light Source Adaptation Brightness Contrast Saturation Sharpness Gamma Flip (Horizontal and/or Vertical) Digital Zoom up to 3X Extended Dynamic Range Imaging Simultaneously Revealing both Dark and Bright Features	