

Research Grade Microscope Camera

20 Million Pixels

A New Frontier in High-Speed
USB 2.0 Digital Imaging



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Superior imaging technology delivers increased image resolution and precise color accuracy.

- Twain Compatible Image Analysis and Full-Featured Software Included. No additional software required.
- High-Speed USB 2.0 Interface
Delivers Plug-n-Play versatility with real-time video rate framing and focusing and fast image acquisition capability.
- RGB Megapixel Sensor up to 20 Million Pixels
Generates outstanding color fidelity and precise detail in a variety of brightfield and darkfield imaging applications.
- 10-bit Quantitative Data Mode
Provides quantitative image data including 30-bits of color information resulting in 1024 intensity values per color.
- Standard C-mount
Facilitates installation on all microscope systems including upright, inverted and stereo configurations.

Technical Specifications

Image Sensor:	6.6mm x 5.3mm array
Effective Pixels:	1280 x 1024, 5.2um square pixels
Digital Output:	8 and 10 bit uncompressed
Frame Rate:	1280 X 1024 15 frames per second 1024 X 768 24 frames per second 800 X 600 37 frames per second 640 X 480 60 frames per second
Image Resolution:	1280 X 1024 / 1.3 million pixels 2560 X 2048 / 5.2 million pixels 3840 X 3072 / 11.8 million pixels 5120 X 4096 / 21.0 million pixels
Dynamic Range:	>60dB
Integration Time:	1/1000 to 3 sec.
Shutter:	Electronic shutter, no moving parts
Auto Exposure:	.1 milliseconds to 3 seconds
White Balance:	Automatic / Manual
Gain:	Programmable / 0 to 10X optimizable
Optical Mount:	Standard C-mount
Power Requirement:	USB bus power, or external 6VDC - 900mA
Operating Temperature:	0° C to +50° C
Operating Humidity:	20%-80%, Non-condensing
System	
Recommendations:	Pentium 4, 1.3 GHZ or better 512mb Ram, 60 GB HardDrive, USB 2.0 port Windows 2000 or Windows XP. Twain Compliant Capture Software

Rincon™ Simple Image Analysis Software Included.



- Live Measurement
- 3D-Visualization
- Z-Axis Focus Enhancement
- 3D Morphometric Measurements
- Time Lapse Capture with Time Stamp Features
- Auto Tiling for Seamless Image Montaging