

Advanced Scientific Grade CCD Imaging for Microscopy

powerful software - simple interface - superior images

Real-Time Color Microscope Imaging Camera with FireWire® Connectivity

- **2-Megapixel Imaging**
Exceptional image detail with increased field-of-view.
- **Direct X Powered**
Real-time, full resolution, full screen preview.
- **Point and Shoot Simplicity**
Fluorescent and brightfield images captured effortlessly in color.
- **TWAIN Compatible Software**
Instantaneous integration within popular imaging applications.
- **Exclusive PictureFrame™ 2.0 Imaging Application**
Comprehensive image processing suite with measurement and annotation, scale bar, AVI file-compliant time lapse imaging, automated image archiving with real-time six position pseudo color image mixing functionality.
- **FireWire® Interface**
Offers "Plug and Play" connectivity from a desktop or laptop computer with data transfer up to 400 mbs.

Technical Specifications

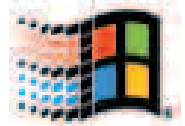
MICROFIRE™

CCD Array: 1600 x 1200, 7.4 x 7.4 micron pixels
Format: 11.84mm x 8.88mm, 14.8mm diagonal
Well Depth: 40,000 electrons
Computer Interface: IEEE 1394 (Firewire®), 6 pin
Software: Optronics™ Com Object and PictureFrame™, SDK, TWAIN, Image-Pro®
Optical Interface: C-mount (1-32 Thread), 17.5mm back focus
Electronic Shutter: 500 microseconds - 60 seconds

Frame Rates: 10 FPS @ 1600 x 1200
18 FPS @ 800 x 600 (2x2 binning)
24 FPS @ 512 x 400 (3x3 binning)
30 FPS @ 400 x 300 (4x4 binning)
48 FPS @ 100 x 100 (subframed mode)



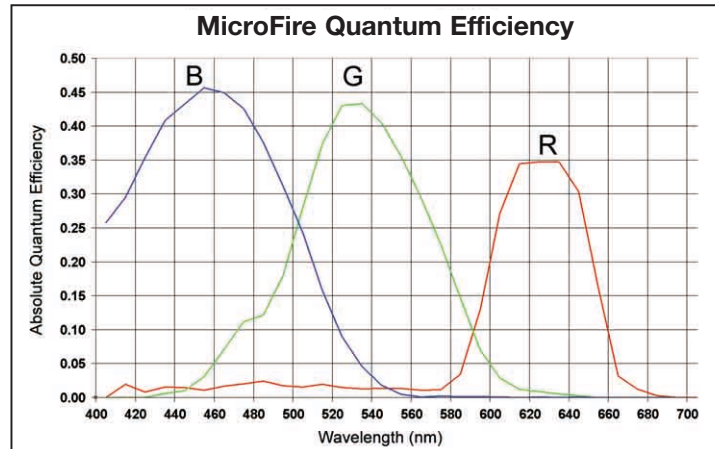
Binning Modes: 1 x 1 (1600 x 1200)
2 x 2 (800 x 600)
3 x 3 (512 x 400)
4 x 4 (400 x 300)



Subframed Modes: User-defined number of lines, in multiples of 2
Range: 100 - 1200 lines, 64 - 1600 columns



Bit Depth: 36-bit color



System

Recommendations: **PC** - 1 GHZ or better PC Running Windows® 98 SE/2000/XP/Me
1600 x 1200 32-bit color 512 MB Ram
MACINTOSH - G4 OS X Version 10.2 or better 512 MB Ram

optronics.com/cameras (800) 796-8909

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