**MICROFIRE®**

1600x1200P

Research Grade Photomicrography

Microfire® is a real-time progressive scan true color microscope camera developed for accurate color microscope image documentation and analysis.

- **2-Megapixel Color Imaging with 7.4 x 7.4 Micron Pixels**

1600 X 1200 effective pixels creates exceptional image detail and dynamic range in both brightfield and low-light fluorescent images.

- **Optronics Exclusive PictureFrame®**

Comprehensive image processing suite with measurement and annotation, scale bar, AVI file-compliant time-lapse imaging, automated image archiving, six position image mixing functionality, flat field correction, background subtraction, live frame averaging with motion compensation and more...

- **Direct X Powered**

Real-time, full resolution, full screen preview.

- **Intuitive Human Interface**

Powerful software – simple interface means images are captured effortlessly with Optronics point and shoot simplicity.

- **TWAIN Compatible Software**

Instantaneous integration within popular imaging applications.

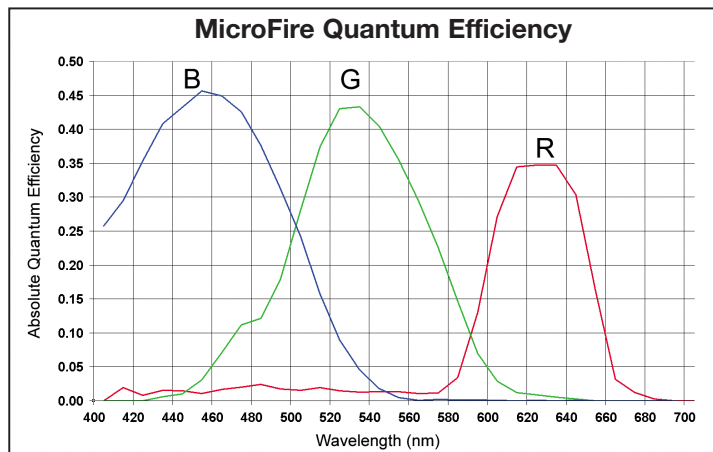
- **FireWire® Interface**

Offers “Plug and Play” connectivity from a desktop or laptop computer with data transfer up to 400 mbs.

Technical Specifications

MICROFIRE®

Mechanical Specifications:	(L x W x H): 5.3 x 5.3 x 2.3 Inches
CCD Array:	1600 x 1200 pixels / Progressive scan interline CCD
Pixel Size:	7.4 x 7.4 micron pixels
Well Depth:	40,000 electrons
Active Area:	13.38mm x 9.52mm, 14.8mm diagonal
Computer Interface:	IEEE 1394 (FireWire®), 6 pin
Software:	Optronics® native application PictureFrame®, SDK available, Twain, Rincon™, Longboard™
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 (5x5 binning)
Binning Modes:	1 x 1, 2 x 2, 3 x 3, 4 x 4
Subframes Modes:	User-defined number of lines, in multiples of 2 Range: 100 - 1200 lines, 64 - 1600 columns
Bit Depth:	36-bit color
Spectral Response Curve:	



Windows
Vista
Compatible



System Recommendations: PC - 2 GHz or better PC Running Windows® 2000/XP/Vista
32-bit color 512 MB Ram
MACINTOSH - G4 OS X Version 10.2 or better 512 MB Ram

Warranty: 2 years

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