

**MICROFIRE®**

Monochrome

1600x1200P

Research Grade Photomicrography

Microfire® Monochrome is a real time progressive scan monochrome camera developed for quantitative microscope image documentation and analysis.

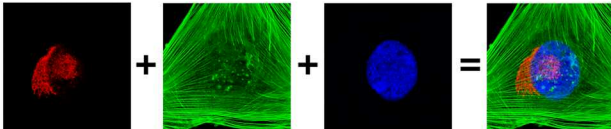
- **2-Megapixel Monochrome Imaging with 7.4 x 7.4 Micron Pixels**

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

- **Automated Control of Optional CRI Macro Color™ Filter**

Adds versatility and performance providing full CCD pixel utilization generating a high resolution RGB image from your monochrome camera.

Optronics® Automated RGB 3-Pass Color



- **Direct X Powered**

Real-time, full resolution, full screen preview.

- **Intuitive User 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.

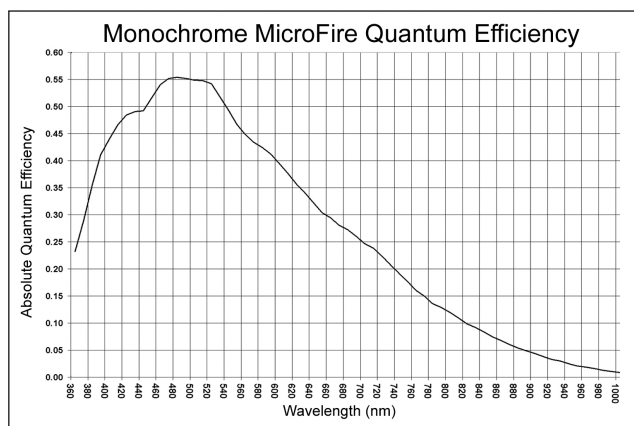
- **Optronics Exclusive PictureFrame®**

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

Technical Specifications



Mechanical Specifications:	(L x W x H): 5.3 x 5.3 x 2.5 Inches
CCD Array:	1600 x 1200
Pixel Size:	7.4 x 7.4 micron pixels
Active Area:	11.84mm x 8.88mm, 14.8mm diagonal
Well Depth:	40,000 electrons
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 (subframed mode)
Binning Modes:	1 x 1, 2 x 2, 3 x 3, 4 x 4, 5 x 5
Subframed Modes:	User-defined number of lines, in multiples of 2 Range: 100 - 1200 lines, 64 - 1600 columns
Bit Depth:	12-bit monochrome



Windows
Vista
Compatible



System

Recommendations: PC - 2 GHZ or better PC Running Windows® /2000/XP/Vista
MACINTOSH - G4 OS X Version 10.2 or better 512 MB Ram

Warranty: 2 Years

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