**MACROFIRE®**

2048x2048P

Research Grade Photomicrography

Macrofire® is a progressive scan true color camera with a 500% increase in field-of-view developed for accurate color microscope image documentation and analysis.

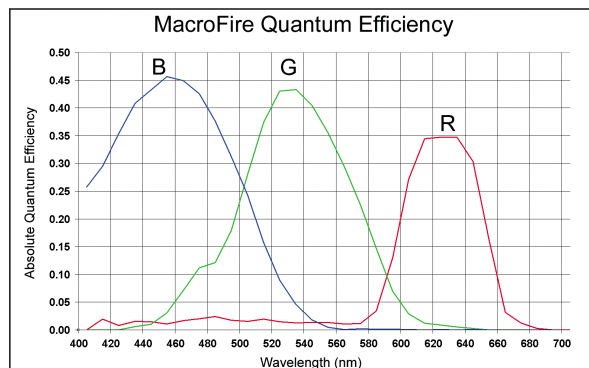
- **21.4mm Progressive Scan CCD**
Provides the microscopist with the largest field-of-view digitally as seen through the microscope oculars.
- **4-Megapixel Imaging with 7.4 x 7.4 micron pixels**
Delivers exceptional color image detail and dynamic range in both brightfield and low-light fluorescence images.
- **Intuitive User Interface**
Powerful software – simple interface means images are captured effortlessly with Optronics point and shoot simplicity.
- **Optronics Exclusive Monochrome Decoding Algorithm**
Provides 12-bit high-resolution monochrome images with 4X increased sensitivity - crucial for a wide range of fluorescent imaging techniques.
- **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.

Technical Specifications

MACROFIRE®

Mechanical Specifications:	(L x W x H): 5.3 x 5.3 x 2.3 Inches												
CCD Array:	2048 x 2048 pixels												
Pixel Size:	7.4 x 7.4 micron pixels												
Well Depth:	40,000 electrons												
Active Area:	15.2mm x 15.2mm, 21.4mm diagonal												
Computer Interface:	IEEE 1394 (FireWire®), 6 pin												
Software:	Optronics native application, SDK available, Twain, Rincon™, Longboard™												
Optical Interface:	F-mount												
Electronic Shutter:	To 60 seconds												
Frame Rates:	5 FPS @ 2048 x 2048 9 FPS @ 1024 x 1024 (2x2 binning) 12 FPS @ 680 x 680 (3x3 binning) 15 FPS @ 512 x 512 (4x4 binning) 18 FPS @ 408 x 408 (5x5 binning) 38 FPS @ 64 x 64 (subframed mode)												
Binning Modes:	<table><thead><tr><th></th><th>Color</th><th>Monochrome</th></tr></thead><tbody><tr><td>(User Defined)</td><td>1 x 1</td><td>1 x 1</td></tr><tr><td></td><td>3 x 3</td><td>2 x 2</td></tr><tr><td></td><td>5 x 5</td><td>4 x 4</td></tr></tbody></table>		Color	Monochrome	(User Defined)	1 x 1	1 x 1		3 x 3	2 x 2		5 x 5	4 x 4
	Color	Monochrome											
(User Defined)	1 x 1	1 x 1											
	3 x 3	2 x 2											
	5 x 5	4 x 4											
Subframes Modes:	64 - 2048 lines x 64 - 2048 columns												
Bit Depth:	36-bit color												

Spectral Response Curve:



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

Available with Copy Stand Mount

Warranty: 2 Years

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Monitor is for illustration purpose only. Sold separately.



Windows
Vista
Compatible

