**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.

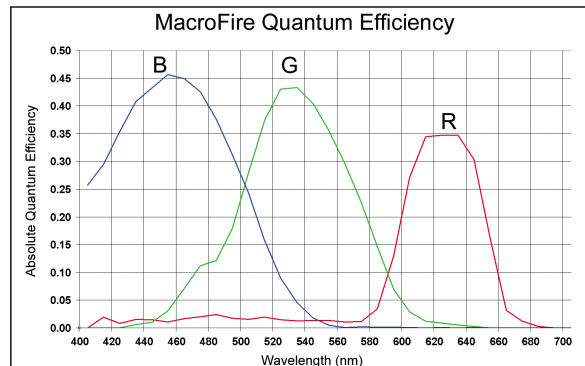
- **21.4mm Progressive Scan CCD**  
Provides the microscopist with the largest field-of-view digitally as seen through the microscope oculars.
- **4-Megapixel Imaging with 7.4 x 7.4 micron pixels**  
Delivers exceptional color image detail and dynamic range in both brightfield and low-light fluorescence 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: (User Defined)	<u>Color</u>	<u>Monochrome</u>
	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

