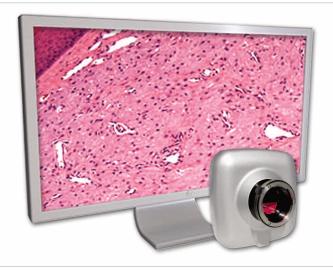
OPTRONICS®





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: (LxWxH): 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)

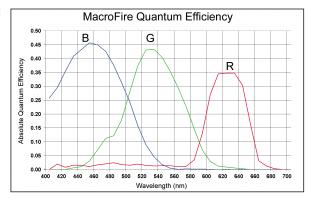
Binning Modes: <u>Color</u> <u>Monochrome</u>

(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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