



MAG BIOSYSTEMS

A PHOTOMETRICS® SYSTEMS BRAND

Dual-View™

SIMULTANEOUS- ACQUISITION SOLUTION

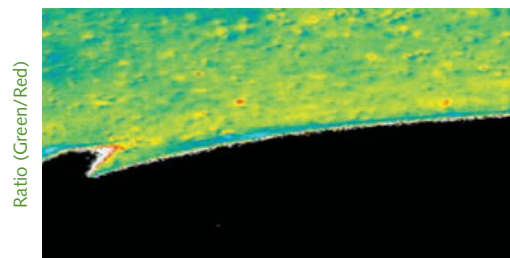
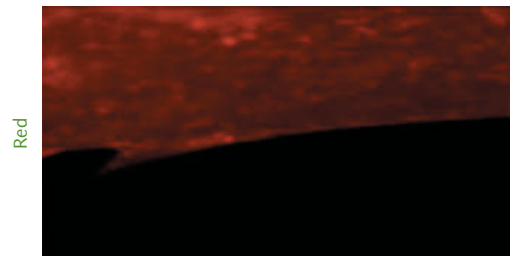
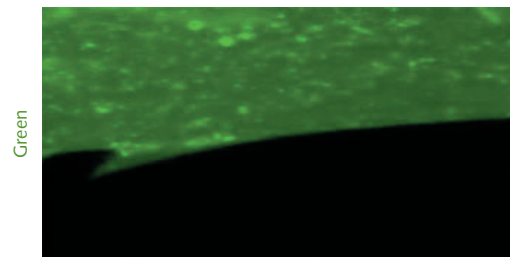
The MAG Biosystems™ Dual-View utilizes a single beamsplitter to split the incident beam from the microscope into two independent beams. One beam contains all the emission reflected off of the beamsplitter; the other contains all the emission transmitted through the beamsplitter. Each of these emission channels is projected onto half of the CCD array at exactly the same point in time. Simultaneous multichannel imaging is essential to achieve quantitative emission ratiometric analysis.



FEATURES

- Simultaneous acquisition of two emission channels
- Emission can be separated by wavelength, polarization, or amplitude
- Easily mounts to most microscopes
- Uses standard 25-mm-diameter emission and polarization filters
- Bypass mode permits no-hassle, full FOV imaging
- Removable filter cube makes configuring different experiments simple
- Works with many Photometrics® and QImaging® cameras*

* Please contact your local Photometrics or QImaging sales manager to verify compatibility.



Ratiometric Analysis

DUAL-VIEW SPECIFICATIONS

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------|
| Wavelength sensitivity | 400 to 750 nm |
| Efficiency per image* | 88 to 92% |
| Operation temperature | -10 to 50°C |
| Detector attachment | C-mount (male) |
| Front attachment | C-mount (female) |
| External mounting option | ¼-20 tapped hole on bottom of unit |
| Dimensions | 2.5" diameter x 7.5" height |
| Weight | 1.7 lbs |
| Filters | Emission/barrier, neutral density, polarization; 1" (25.4-mm) max diameter; 0.39" (9.9-mm) max thickness |
| Patents | USA: 5,926,283 and 5,982,497; Australia: 731,476; Canada: 2,294,840; Other foreign patents pending |

* Transmission values are also modified by filter transmission.

Note: All specifications are typical and subject to change.

APPLICATIONS

- Real-time multicolor imaging
- FRET imaging
- Calcium imaging with fluo-3/Fura Red™ (Molecular Probes) or dual-emission indo-1 imaging
- Fluorescence polarization/anisotropy imaging
- Simultaneous fluorescence/DIC imaging
- Drug discovery with Cy3/Cy5
- Single-molecule fluorescence (SMF)
- pH imaging with SNARF
- Multiwavelength TIRF
- Multiwavelength FLIM
- Voltage sensing with di-4-ANEPPS
- Other emission ratio analyses
- Fluorescence *in situ* hybridization (FISH)
- cAMP imaging with FICRHR
- Multichannel confocal microscopy when used in conjunction with a spinning-disk confocal



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