



# Quad-View™

## 4-CHANNEL IMAGING SOLUTION

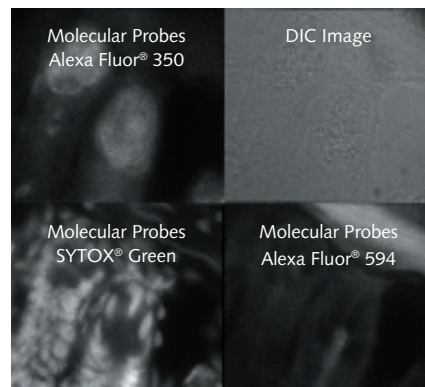
The MAG Biosystems™ Quad-View allows simultaneous acquisition of up to four emission channels in a single exposure. The Quad-View uses a series of beamsplitters to split the emission light from the microscope into four separate channels. Each channel is then projected onto one quadrant of the CCD at exactly the same moment in time. Simultaneous multichannel imaging is essential to achieve quantitative ratiometric imaging.



### FEATURES

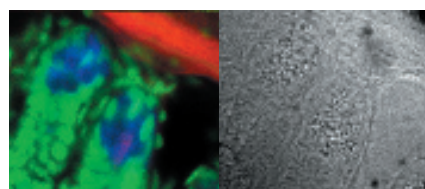
- Simultaneous acquisition of up to four images
- Can split the emission by wavelength, polarization, or amplitude
- Easily mounts to most microscopes
- Uses standard 25-mm-diameter emission and polarization filters
- Bypass mode permits no-hassle, full FOV imaging
- Removable filter cube makes configuring different experiments simple
- Precision optical and mechanical design allows subpixel image registration and minimizes light loss
- Works with many Photometrics® and QImaging® cameras\*

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



Color Overlay

DIC Image



## QUAD-VIEW SPECIFICATIONS

Wavelength range	400 to 750 nm
Efficiency per image*	70 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; 7-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
- Multicolor single-molecule fluorescence (SMF)
- Multiwavelength TIRF imaging
- Fluorescence *in situ* hybridization (FISH)
- Multichannel confocal microscopy when used in conjunction with a spinning-disk confocal
- Two-color polarization/anisotropy studies
- Simultaneous calcium and pH studies with indo-1 and SNARF
- Three-color fluorescence and DIC
- Polarized FRET analysis



**MAG BIOSYSTEMS**

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