

Photometrics® QV2

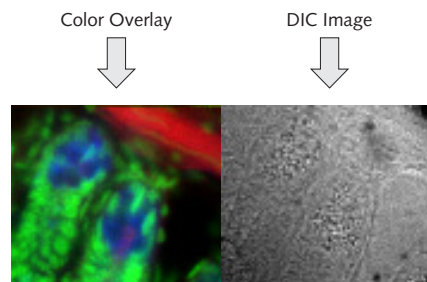
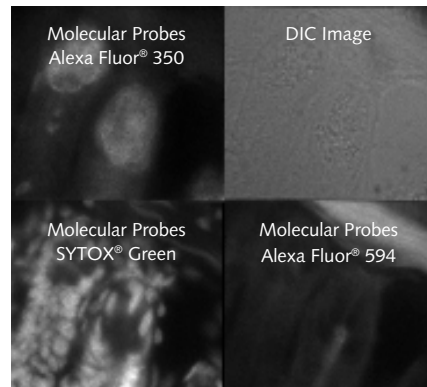
FOUR-CHANNEL, SIMULTANEOUS- IMAGING SYSTEM

The Photometrics® QV2™ allows simultaneous acquisition of up to four emission channels in a single exposure. The QV2 uses a series of beamsplitters to split the emission light from a microscope into four separate channels. All four channels are projected onto the CCD at the same time. Simultaneous multichannel imaging is critical for quantitative analysis of emission ratiometric data.

FEATURES

- Simultaneous acquisition of up to four images
- Images can be separated by wavelength, polarization, or amplitude
- Easily mounts to most microscopes
- Improved adjustment control enables easier image alignment
- Redesigned aperture adjustments ensure apertures are parallel
- Uses standard 25-mm-diameter emission and polarization filters
- Bypass mode with bypass filter cube permits no-hassle, full-field imaging
- Exchangeable filter cube allows multiple applications to be run with minimal realignment
- Integrated, adjustable CCD mask minimizes ghosting
- Works with many Photometrics® and QImaging® cameras*

* Please contact your local representative to verify compatibility with specific cameras.



QV² SPECIFICATIONS

Wavelength range	400 to 750 nm
Efficiency per image*	70 to 92%
Operation temperature	10 to 37°C
Detector attachment	C-mount (male)
Front attachment	C-mount (female)
External mounting option	¼-20 tapped hole on back of unit
Dimensions	2.5" diameter x 7.5" height
Weight	2.6 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

- Fluorescence resonance energy transfer (FRET) imaging
- Multicolor single-molecule fluorescence (SMF) imaging
- Multiwavelength total internal reflection fluorescence (TIRF) imaging
- Fluorescence *in situ* hybridization (FISH) imaging
- 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
- Simultaneous 3D imaging when lenses are used in place of emission filters



www.photomet.com

info@photomet.com

USA +1.520.889.9933

Asia Pacific +65.6841.2094

France +33.1.60.86.03.65

Germany +49.89.660.779.3

Japan +81.3.5639.2731

UK +44.1628.890858