# DualView-Λ™

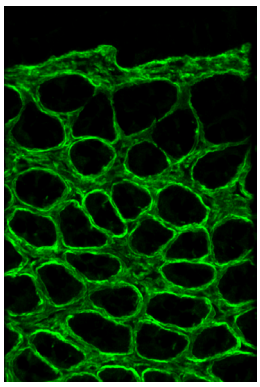
## Dual-Channel Simultaneous-Imaging System

The DVΛ is an emission splitting system enabling a user to acquire two spatially identical but spectrally distinct images simultaneously. What distinguishes the DVΛ from the DV2 is that DVΛ can accommodate image sensors up to a 22 mm diagonal. Simultaneous, multichannel imaging is essential for colocalization, ratiometric analysis, or polarization studies of a single emission wavelength channel.

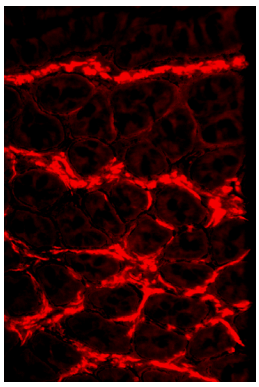
## Features

- Accommodates image sensors up to 22 mm diagonal including most sCMOS sensors
- Simultaneous acquisition of two full-field emission images
- Emission can be separated by wavelength, polarization, or amplitude
- Exchangeable filter cube use standard 25 mm diameter filters and polarizers
- Filter cubes can be configured by the user for different filters and beam splitters
- Easily mounts to most microscope side ports
- Incorporates rectangular aperture to define a region of interest
- Image processing of DualView data is available in leading microscopy packages

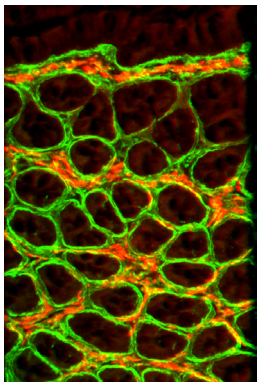
Green



Red



Green/Red Overlay



## DVΛ Specifications

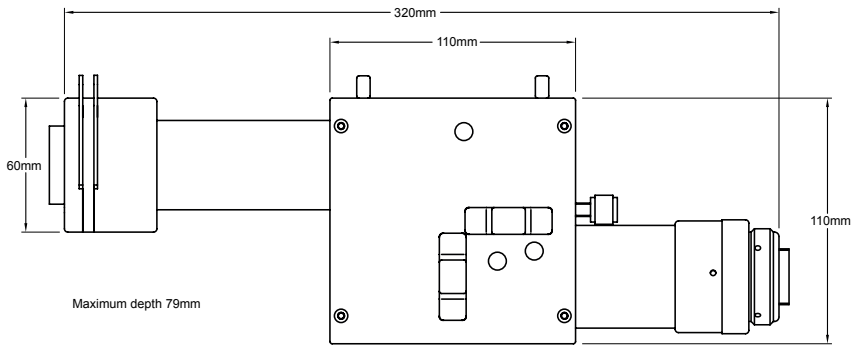
| | |
|---|---|
| Wavelength range | 450 to 900 nm |
| Transmission per image | >88% (does not include filter) |
| Operation temperature | 10°C to 37°C |
| Detector attachment | C-mount (male) |
| Front attachment | C-mount (female) |
| External mounting option | ¼-20 tapped hole on back of unit |
| Dimensions | 320 mm long, 110 mm wide, 79 mm tall |
| Weight | 1.5 kg |
| Filters | |
| Emission/Barrier | 25 mm diameter |
| Dichroic | 25-26 mm wide, 36-40 mm long, 1-3 mm deep<br><br>Recommend Chroma Ultra Flat range in size 26x38x2 mm for best results |

Supports LightSpeed™ mode of Evolve™ 512 Delta with firmware newer than 12.2014

## Applications

- **Fluorescence resonance energy transfer (FRET) imaging**
- **Polarized FRET analysis**
- **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) imaging**
- **pH imaging with SNARF**
- **Multiwavelength total internal reflection fluorescence (TIRF) imaging**
- **Voltage sensing with di-4-ANEPPS**
- **Fluorescence *in situ* hybridization (FISH) imaging**
- **cAMP imaging with FICRhR**
- **Multichannel confocal microscopy when used in conjunction with a spinning-disk confocal**

Note: All specifications are typical and subject to change.




PHOTOMETRICS®
www.photometrics.com
info@photometrics.com
tel: +1 520.889.9933