

# *DeltaVision®*

## ***The World's 1st Real-Time Deconvolution for Instant 2D Image Previews and 3D Z Projections***

### **INTRODUCTION**

Real-Time 2D Deconvolution, a DeltaVision exclusive, allows users to quickly monitor the progress of experiments by viewing instantly processed 2D image previews that closely resemble images processed with advanced 3D image restoration techniques. Beautiful images, instantly!

DeltaVision employs a proprietary processing algorithm to create 2D image previews in real time!

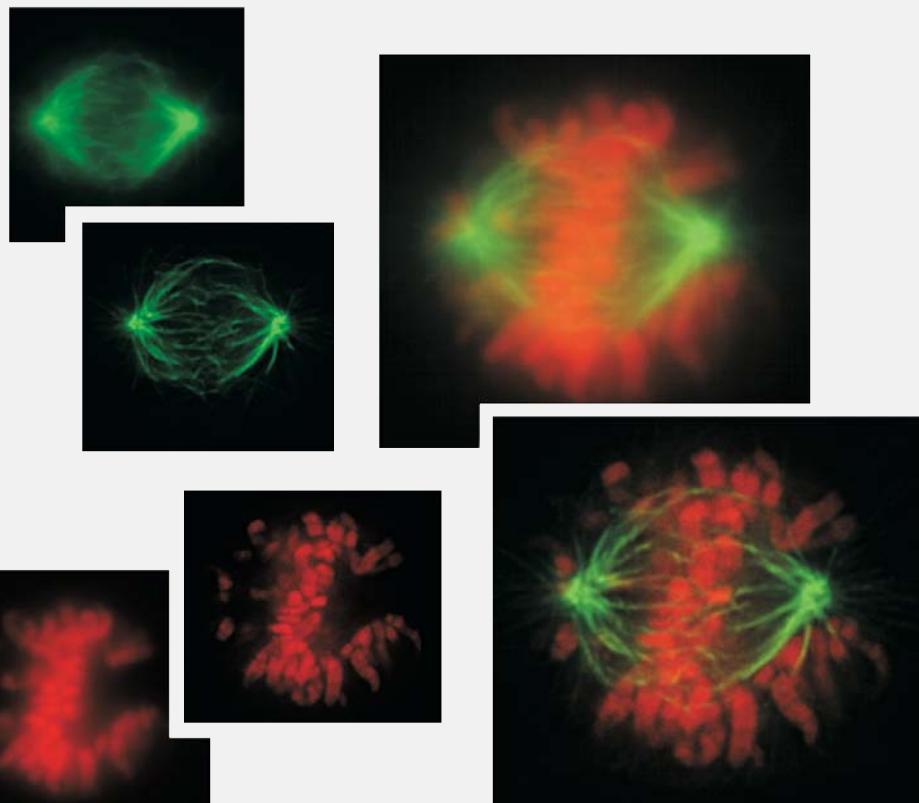
Real-Time 2D Deconvolution is compatible with all DeltaVision display modes, including Auto Color, Auto Grayscale and Point Track. It also works in conjunction with Real-Time Z-sweep Acquisition to preview extended focus images in a 3D Z projection, and can be used with the Snapshot Tool to display previews of multi-channel images.

### **Comparisons of images with and without Real-Time 2D Deconvolution**

These images show how images are displayed during data acquisition, with and without Real-Time 2D Deconvolution.

Images on the left are shown as they appear in Auto Color Image display mode. Real-Time 2D Deconvolution can be used with any of the DeltaVision Image display modes.

Images on the right show a DeltaVision image created with the Snapshot tool.

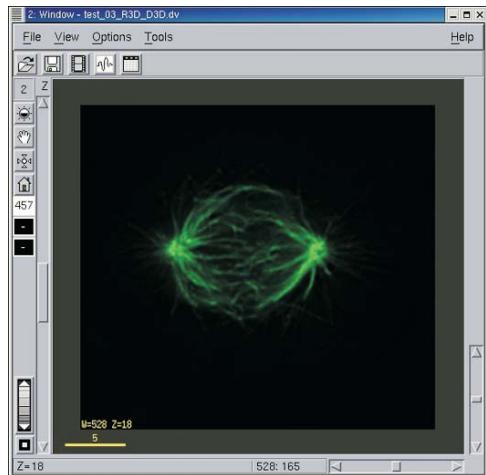


## PREVIEWS AND DISPLAY MODES

Real-Time 2D Deconvolution can be used to process image previews in any of the DeltaVision Image display modes.

### Auto Color

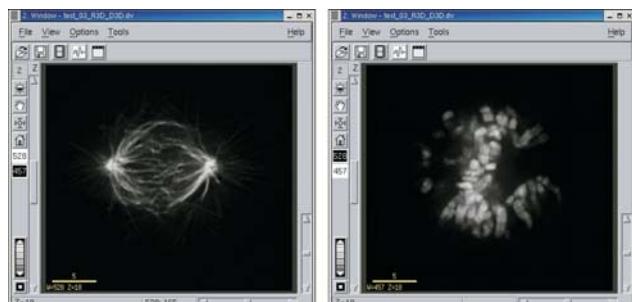
In Auto Color mode, images are displayed in color as they are collected. The channels are displayed in the Data Collection window.



Auto Color mode displays each channel in color

### Auto Grayscale

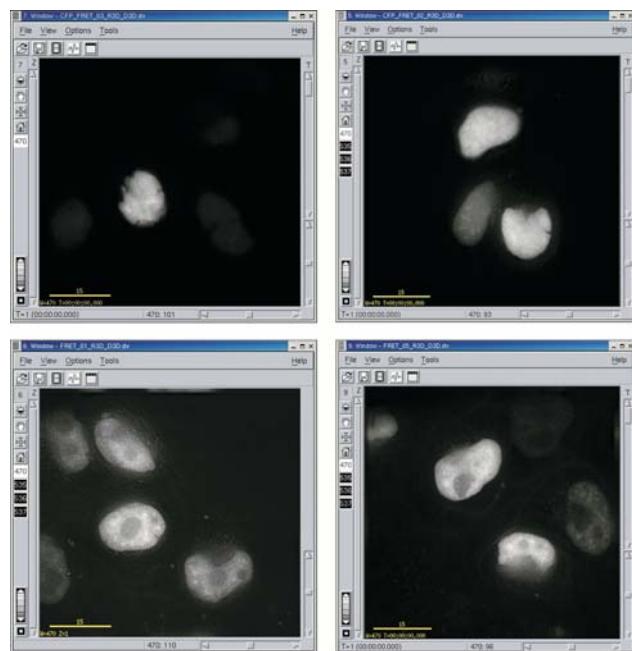
In Auto Grayscale mode, images are instantly displayed in separate windows for each emission filter.



Auto Grayscale mode displays a separate window for each channel

### Point Track

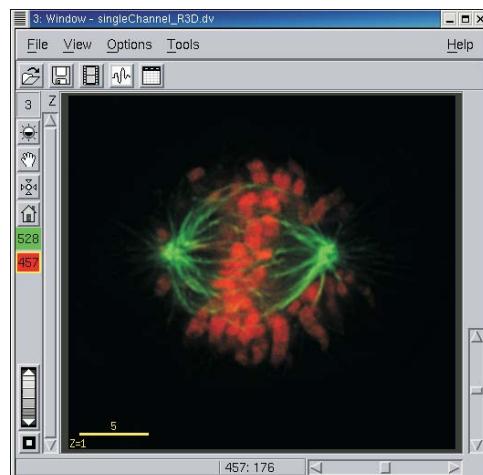
Point Track mode is used for Point Visiting experiments. In this mode, an image of each visited point is automatically displayed in a separate window for ease of data review.



Point Track mode displays a separate window for each visited point in a Point Visiting Experiment

## PREVIEWS AND SNAPSHOTS

Real-Time 2D Deconvolution can be used with the Snapshot tool to create files that display all of the channel previews together.



Snapshot can be used to preview a multi-channel image