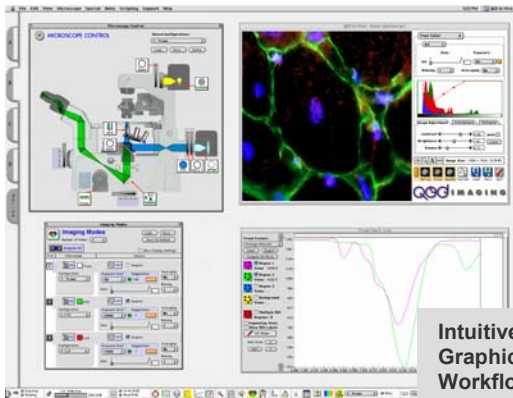
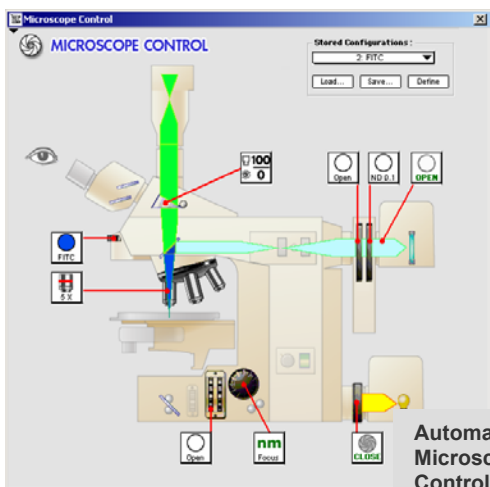


QED Imaging™

Automated Acquisition and Analysis for Life Science



Intuitive Graphical Workflow



Automated Microscope Control

QED Imaging products are used by life science researchers who need to automate acquisition, analysis, and storage for live cell imaging. Unlike other widely-used, but menu-driven live cell imaging software packages, QED Imaging products provide a unique graphical workflow that is so intuitive - you will already know how to use it.

QED Imaging Solutions Include:

QED InVivo™

The ultimate solution for live cell imaging applications, QED InVivo offers full process control of live cell time-lapse experiments like Calcium Ratio, FRET and other dynamic processes.

QED ExpIO™

QED ExpIO, a Plug-in Module for QED InVivo, communicates with a variety of equipment to enable time-lapse imaging and vital systems control and measurement. When combined with QED ExpIO, any hardware can be controlled through analog signal control.

QED Image™

QED Image enables fast multi-dimensional image acquisition. It provides full control of an extended range of microscopes, filter wheels, motorized stages, focus modules, lasers and many other hardware options.

QED Capture™

QED Capture offers an easy-to-use image acquisition interface while utilizing the full precision and resolution of your camera. User-definable tools like Smart Controls allow your attention to be focused on the image, not the camera.

Acquire...



Effortless Acquisition

- Includes a graphical workflow that is so intuitive, you will already know how to use it.
- Offers automated control of high-speed microscope imaging systems
- Ideal for both the expert as well as the novice microscope user

Analyze...



Supports Advanced Life Science Applications

- FRET, Colocalization, and Ratio Imaging over time
- High-speed, time-lapse imaging and motion analysis
- Multi-color and multi-dimensional acquisition and analysis

Manage & Discover...



Manage Your Workflow and Share Your Results

- Perform vital systems control and measurements
- Control and monitor temperature and CO₂ in environmental chambers
- Monitor multiple cells
- Export data into industry standard software programs for statistical analysis

QED Imaging™

Automated Acquisition and Analysis for Life Science

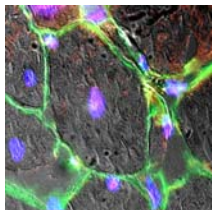
Acquire...

Multi-Dimensional Acquisition

Experience easy multi-dimensional imaging with optimized speed and accurate acquisition.

Multi-Color Imaging

Perform 3D, multi-color acquisition at the click of a button.



Acquire multi-color images

Time-Lapse & Burst Acquisition

Work with high-speed imaging and motion analysis.

3D, Z-series & Burst 3D with Piezo

Supports fast XYZ scans including well plates and whole slide scans.

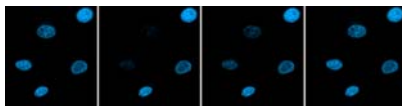
Analyze...

Ratio Imaging

Analyze your ratio experiment independent of complexity or speed. Perform essential procedures such as automatic background subtraction and real-time trend charting of time-lapse images.

FRET Analysis

Work with powerful tools that enhance the data analysis capabilities for FRET applications.



Perform real-time FRET analysis

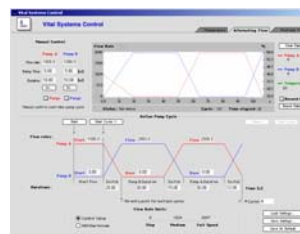
Cell Tracking

Follow the movement of tagged particles through time, including fluorescence-labeled cell surface molecules, microtubules, nucleic acids, lipids, and other objects with sub-pixel resolution.

Manage & Discover...

Vital Systems Control & Measurement

Acquire data from analog and digital inputs with the combined power of QED InVivo and QED ExpLO. Configure fully-automated live cell experiments.



Setup pump speed profiles to alternate the flow or stimulate and refresh the medium

Signals & Systems Control

Trigger a burst acquisition when your temperature reaches a preset level or trigger an event each time you capture an image.

Data Analysis & Reporting

Measure objects in binary images and export the data for statistical analysis.

QED Imaging Features Comparison	QED InVivo	QED ExpLO	QED Image	QED Capture
Hardware Control & Multi-dimensional Imaging				
User Assistance	X	X	X	X
Camera Control	X	X	X	X
Fully Automated Microscope Control	X	X	X	
Multi-Color Imaging	X	X	X	
Time-Lapse Imaging & Burst Acquisition	X	X	X	
3D, Z-series & Burst 3D with Piezo	X	X	X	
Tiling, Mosaic, Slide and Well Scanning	X	X	X	
Application Support				
Ratio & Calcium Imaging	X			
User-configurable FRET	X			
Colocalization, FISH & Fluorescence	X			
Cell Counting & Classification	X		X	
Cell Tracking	X			
Systems Control				
Vital Systems Control & Measurement	X	X		
Signals & Systems Control	X	X		
Data Analysis	X	X	X	

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