Optical Insights, LLC
Precision Imaging Solutions

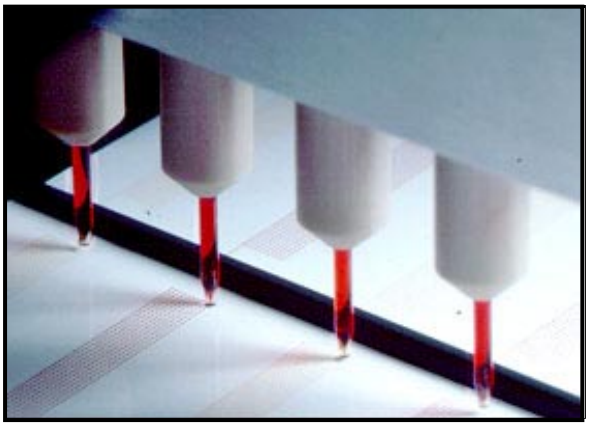
Imaging is NOT just a black and white issue.

Dual-Cam™/Quad-Cam™
for high content screening

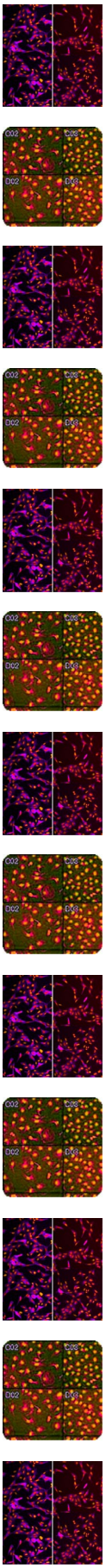
The Only Multi-Camera Acquisition Solution.....

- Simultaneous acquisition of 2 to 4 ***full field-of-view*** fluorescence emission images in a single snapshot
- Increase scanning speeds by factor of 2 to 4 without sacrificing resolution
- Easily mounted to any screening system, microscope or CCD
- Uses standard 25 mm diameter emission and polarization filters
- Filter slider (same as Dual-View™) makes configuration for different experiments easy
- Precision opto-mechanical design allows for sub-pixel image-to-image registration and minimizes light loss

.....To Meet The Demands Of High Content Screening



- Real-time imaging of any multiple probe assays
- Cy3/Cy5 assays
- Voltage sensing assays
- FRET assays
- Polarization assays
- Combined FRET and Polarization imaging
- Combined FLIM and Polarization imaging
- Single Molecule Fluorescence (SMF)
- Multi-Wavelength 3-D Deconvolution



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Product Specifications

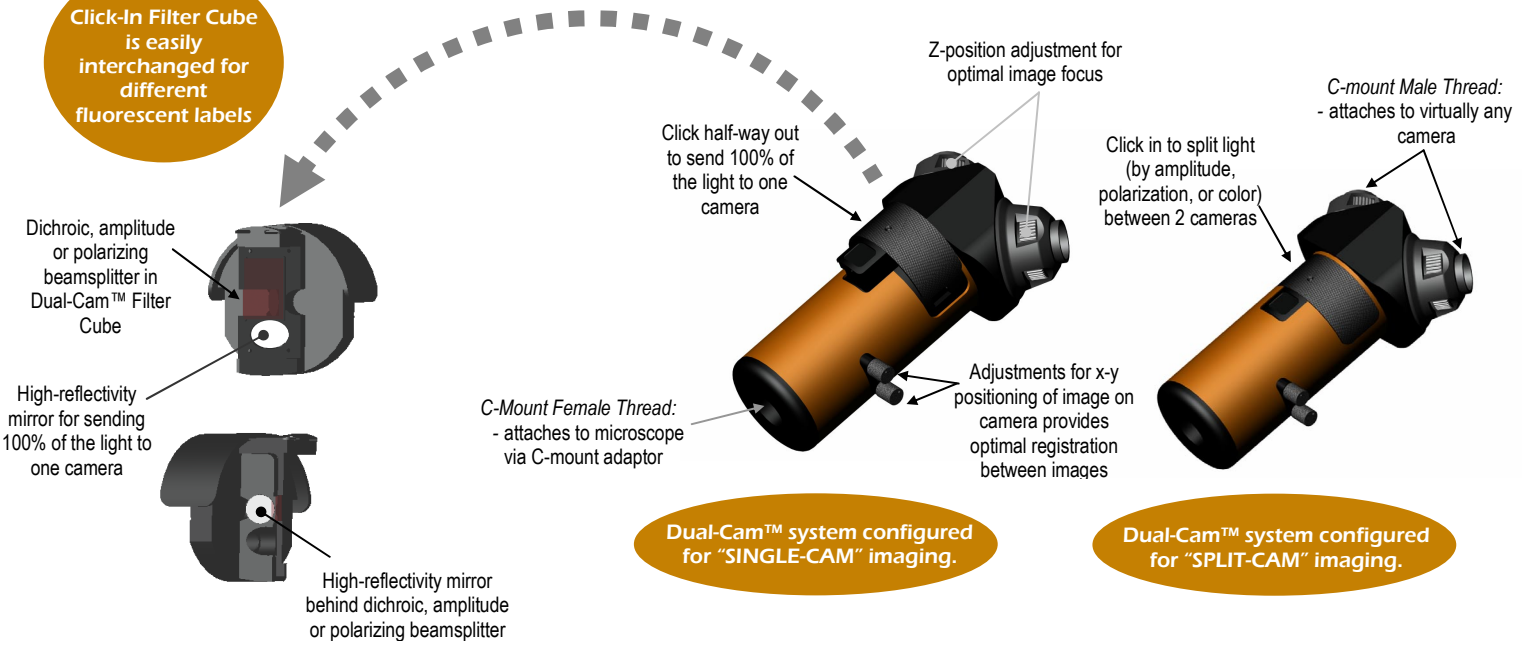
Specification	Dual-Cam™ (MSMI-DC) Quad-Cam™ (MSMI-QC)	
Detector Array Options		
Attachment Thread	C-Mount (male)	F-Mount (male)
Max Diagonal Dimension*	16 mm	16 mm
Front Attachment Options	C-Mount (female)	
	F-Mount (female) using F-to-C adaptor	
Wavelength Sensitivity	350 nm to 2.2 μm	
F-number per image	Microscope dependent	
Efficiency per image**	88 – 92% (Dual-Cam™) 70 – 92% (QuadCam™)	
Image-to-Image Registration	Subpixel	
Weight	3 lbs.	
Dimensions	2.5″ (H) x 4″ (W) x 8.5″ (L)	
Operating temperature	-10° C to 50° C	
External mounting option	¼-20 tapped hole on bottom	
Filters		
Maximum diameter	1 inch (25.4 mm)	
Maximum thickness	0.39 inches (10 mm)	
Type	Emission/barrier, neutral density, polarization	

Optical Insights, LLC reserves the right to change specifications without notice.
* Without experiencing measurable distortion.
** Transmission values also modified by filter transmission.

US Patents: 5,926,283 & 5,982,497
Australian patent: 731,476
Canadian patent: 2,294,840
Other Foreign Patents Pending

Anodized aluminum finish on all parts

Click-In Filter Cube is easily interchanged for different fluorescent labels



Dual-Cam™ system configured for "SINGLE-CAM" imaging.

Dual-Cam™ system configured for "SPLIT-CAM" imaging.

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