EVOS® fl

Digital Inverted Microscope for Fluorescence and Transmitted Light Applications

Specifications

Optics	Infinity-corrected optical system; RMS-threaded objectives with 45 mm parfocal distance
Objectives	LWD; 4xPh, 10xFluor, 20xFluor, 40xFluor, (2x optional)
Objective Turret	5-position; front-mounted control
Light Cubes	DAPI: 360 nm excitation, 447 nm emission GFP: 470 nm excitation, 525 nm emission RFP: 530 nm excitation, 593 nm emission *U.S. Patent No. 7,502,164*
Illumination	LED (50,000-hour life); adjustable intensity
Contrast Methods	Fluorescence and transmitted light (brightfield & phase contrast)
Condenser	3-position turret for brightfield & phase contrast
Condenser Sliders	Pinhole, diffuser, green, and meniscus filters
Condenser Working Distance	53 mm
Mechanical "Glide" Stage	• X-Y axis fine-positioning controls, 69 mm (2.7") per rotation; 110 mm x 110 mm (4.3" x 4.3") range of motion • Z-axis focusing controls, 480 µm/rotation • Interchangeable vessel holders available for most common shapes & sizes
LCD Display	15" color, 1024 x 768 pixels; adjustable tilt
Camera	High-sensitivity monochrome, 1392 x 1040 pixels, 6.45 µm/pixel (Sony ICX-285AL CCD)
Image Acquisition	Onboard microprocessor; built-in software for image acquisition via mouse control
Captured Images	16-bit monochrome TIFF or PNG (12-bit dynamic range); 24-bit color TIFF or PNG; jpeg, bmp (1360 x 1024) pixels
Output Ports	3 USB and 1 DVI
Power Supply	CE AC Adapter; Input 100-240V, 50-60Hz; Output 5 VDC/4.15A ⊖-⊂-⊕
Dimensions	Operating height: 57.8 cm (22.75") Storage/transport height: 32.4 cm (12.75") Depth: 47.0 cm (18.5"); Width: 35.5 cm (14.0")
Weight	16.9 kg (33.7 lbs)

NOTE: Specifications subject to change without notice.

The Microscope Evolved. Again.

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