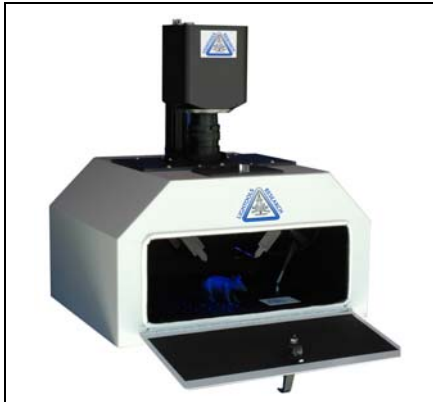


LIGHTTOOLS RESEARCH

684 Poinsettia Park So.
 Encinitas, CA 92024 USA
 Phone: 760/632-0677
 Fax: 760/632-0778
 EMAIL: ltr@lighttools.com
 Web: www.lighttools.com

MACRO-IMAGING SYSTEM PLUS: LT-9MACIMSYSPLUS

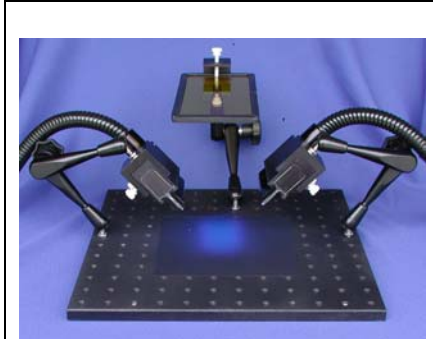


LT-9MACIMSYSPLUSC: The system is designed around a cooled color CCD camera that is **Near-IR enhanced**; it includes PCI card, cables, 11-69mm F 1.4 Close focus zoom lens, 515nm emission filter mounted for zoom lens. Sensor: ICX-285 2/3 inch 1360x1024 6.45 x 6.45um pixels, Focus Rate: 11 fps at full resolution; up to 40 fps binning, Digital output: 14-bit, saved bit depths 8,12,16 bit, Cooling: -10° C regulated cooling, -33° C cooling from ambient, exposure Times – 100us to hours

LT-9MACIMSYSPLUSC w/ cooled CCD camera upgrade.....\$16,495.00

Shown w/ Optional metal cabinet with latching door, LT-9CABINET....\$1,275.00

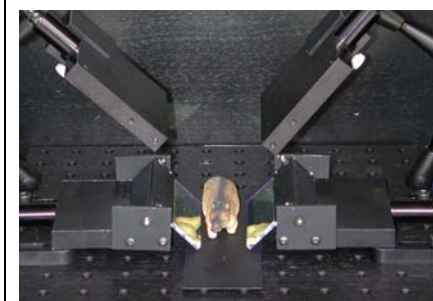
Options:



LT-99D2, Illumatool DLS , Dual high output lighting system with 300 watts total light output, two optical delivery systems, two lamp supplies, two 470/40nm excitation filters mounted in a Lighttools filter cup, one 515nm viewing (emission) filter, 300mm x 300mm base, two articulated arms with holders. Designed for applications that require additional excitation light, like deep tumors, larger animals, etc. But still can be used for less demanding applications.

LT-99D2-PLUS Illumatool DLS 120volts AC.....\$9,995.00

LT-99D2-PLUS*-220, Illumatool DLS 220volts AC.....\$10,195.00



LT-9PANSEE : Pan-A-See-Ya Panoramic Imaging System includes optics and mounts, dual high output lighting 300 watts total system, four optical delivery systems, two above and two lower, one left and one right, two lamp supplies, two 470/40nm excitation filters mounted in a Lighttools filter cup, one 515nm viewing (emission) filter, 300mm x 300mm base, two articulated arms with holders.

LT-9PANSEE-PLUS:* 120 volts AC\$10,995.00

LT-9PANSEE-PLUS:-220* 220 volts AC\$11,195.00

The **PLUS** Dual controllable excitation system, two wavelengths one from each of the lamp supplies, are crossed and randomized such that the light on the sample is 50% from one lamp and 50% from the second lamp at the output end. Dual input, quad output for the LT-9PANSEE, dual input dual output for the LT-99D2. The amount of excitation light is controlled by the output of the corresponding lamp. Because this is randomized, the result is even illumination on the sample from both lamps.



FLUORESCENT STEPWEDGE*: Five steps designed for setting levels and an in image reference.

LT-9STEP GREEN.....\$495.00, LT-9STEP RED (not shown)\$495.00

LT-9STEP RED/GREEN both purchased at the same time.....\$895.00

* Patented or Patents Pending World Wide