

# Specifications

## LSV2 Leeds Spectral Vision System



The LSV2 is an alternative forensic lighting system that is multi-spectral and energy-efficient

2 light pods with 7 discrete illumination/excitation wavelengths, provided by:

\* **Ultraviolet** (365 nm peak) emitting LED

\* **Violet** (405 nm peak) emitting LED

\* **Blue** (455 nm peak) emitting LED

\* **Green** (528 nm peak) emitting LED

\* **Amber** (589 nm peak) emitting LED

\* **Near Infrared** (850 nm peak) emitting LED

\* **White** emitting LED with a spectral bandwidth of 400-700 nm and a color temp of 5700° Kelvin.

Lighting is mounted directly to the LSV2 head in such a way that the light position moves or remains fixed, respective to the imaging head.

Lighting is mounted on flexible arm, allowing oblique, high-angle illumination and size/intensity adjustments to be made to the area of illumination.

Camera head is mounted on a freely-moving gimble with 360° rotation in X, 360° rotation in Y, and 280° rotation in Z

Horizontal reach = 59 inches (1.5 meters)

Vertical adjustment = 46 inches (1.2 meters) -- 20 (0.5 meters) of which are motorized

Fully motorized, 5-position barrier filter turret with changeable filters. Default filters = 550 nm, 570 nm, 610 nm, 830 nm, and 400 nm (clear.)

Highly variable working distance!  
Minimum FOV = 1 inch.  
Maximum FOV = 25.5 inches.

The software for control of the LSV2 includes image collection, comparison views, annotation, measurement (polygon angles, 3-point circle, 2-point circle, and line), and exportation of images to JPEG, TIFF, PNG, or BMP with standard XML metadata file generation.

Integrated 7" touchscreen, mounted directly to imaging head.



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