

## Laser Delivery System

The Laser Delivery System (LDS) from Princeton Instruments is an experiment multiplexer for labs with two or more laser sources. It allows rapid, reproducible switching between any of three input sources and produces a single, collimated output - no more building optical set ups and tearing them down again, experiment to experiment! The LDS can be coupled to a Raman microscope, a spectrograph, or other optical spectroscopy apparatus, and operates from the deep UV to the near IR.



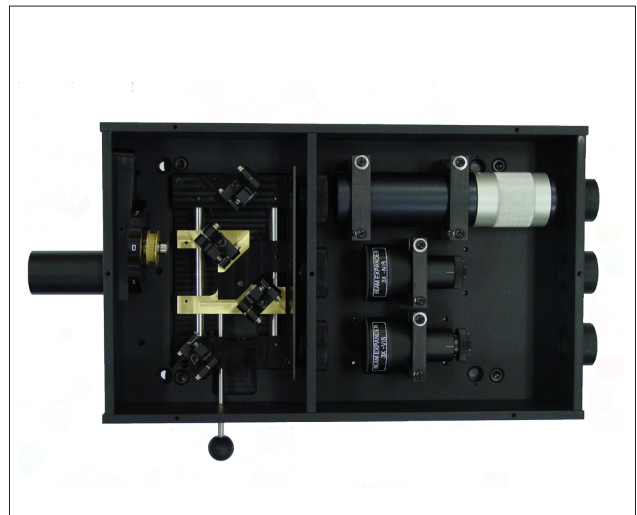
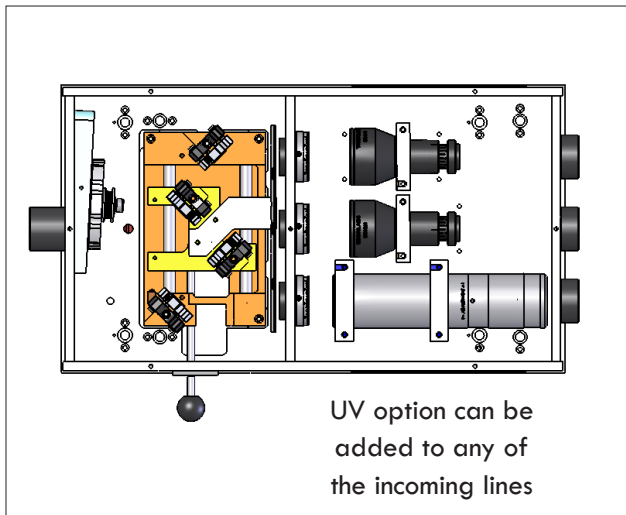
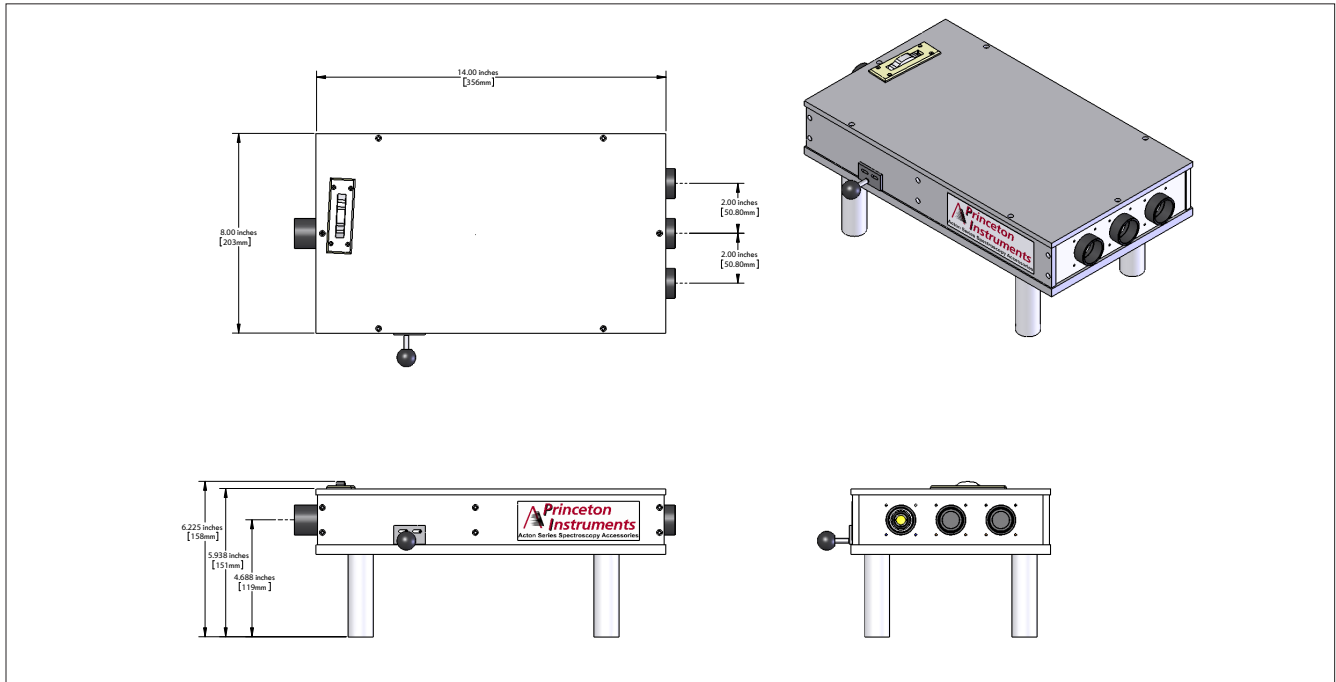
FEATURES	BENEFITS
Triple input ports, single output port	Permits rapid, reproducible switching between light sources
Adjustable beam expansion (Thor)	Produces a collimated beam to fill microscope objectives
Bandpass filtration (Semrock)	Removes plasma lines, ASE, fiber Raman scatter and other unwanted features from the excitation beam
Spatial filtration	Eliminates unwanted spatial modes
8 position neutral density filter wheel	Allows rapid, reproducible control of laser power
Manual or motorized beam slide	Switch sources with only a negligible change in beam position
Outstanding beam pointing stability	Consistent reproducibility; no realignment of optics is needed, saving valuable time

SPECIFICATIONS	
Dimensions	14" (356mm) L x 8" (203mm) W x 5.9" (151 mm) H
Weight	12.5lbs (5.67kg)
Pointing stability	< 0.3 mrad
Available wavelengths	Common laser lines, from 266nm - 1064nm

### Applications:

Raman, LIBS, Transmission, Reflectance,  
Absorption, Tunable Light Source

## Laser Delivery System Drawings



## Experiment Configurations

