

SWEPT FIELD CONFOCAL SPECIFICATIONS

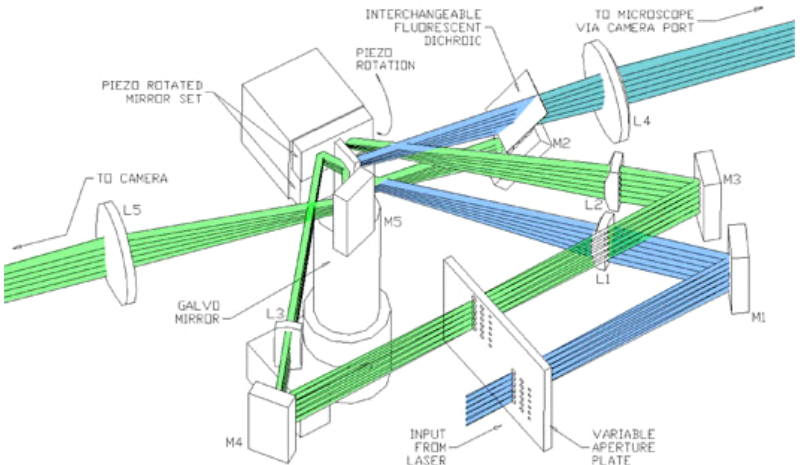
Scanhead		
 <p style="text-align: center;"><i>SFC light path</i></p>	Scanning Method	Combination galvanometer and piezo-electric crystal scanning
	Aperture	Seven position pinhole and slit motorized aperture
	Scan Speeds	Galvo or camera master timed imaging More than 100 fps in slit imaging mode
	Filters and Dichroics	Motorized six-position filter wheel Custom dichroics and polychroics for multiple excitation/emission wavelengths

Image Collection	CCD Camera	Standard camera port for interfacing with variable cameras
		Built-in software support for Photometrics cameras
Optical Inputs	Visible Laser	Prairie Aurora launch capable of containing four diode lasers with up to two fiber outlets Compatible with 405 nm laser excitation
	Epi-fluorescence	Optional epi-fluorescence head for fluorescence imaging
Platform and Peripherals	Ultima IV	Can be integrated with Prairie's Ultima 2-P Microscopy System
	Microscope	Can be integrated with Nikon, Olympus or Zeiss microscopes Upright or inverted scopes
	Prairie Z-Piezo	Optional z-piezo device for execution of high-speed z-stack acquisitions with a travel range of ~150 um and .1um step size; compatible with 20x water objective
Software	Prairie View imaging	Prairie View fully integrated with the function of the scanhead for easy imaging
		Customizable scan settings for optimization of specimen excitation
	Collection	Sequential multiple channel image collection
	Z-Series	Easy creation of z-series with user customizable slice number or step size
		Laser power modulation in z-piezo-controlled fast z-series
	T-Series	Easy creation of complex series involving z-series and triggered images
	Peripherals Integration	Advanced control of camera settings
		Integrated control of laser power and blanking
	Image Triggering	Complex image triggering for separate channels
Regions of Interest	User-defined regions for faster scanning capabilities	
Brightness Over Time	Capable of collecting BOT information for user-defined regions over time and/or depth	
	TriggerSync	Optional fully integrated companion program with signal inputs and outputs for electrophysiological experiments