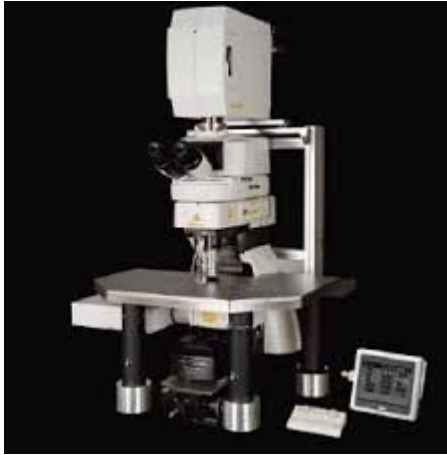


A1R multi-photon



Ti:Sapph laser - The A1R-MP+ multiphoton microscope system is equipped with a Coherent Chameleon Vision II laser tunable from 690nm to 1050nm.

Resonant scanning - The A1R+ confocal has a hybrid scan-head that incorporates both a resonant and a galvanometer scanner. The resonant scanner is capable of high speed image capture at rates ranging from 30 frames per second (512 x 512 pixels) to 420 frames per second (512 x 32 pixels), while the galvanometer scanner can be used for high resolution imaging. They can be combined for simultaneous imaging and photobleaching or stimulation experiments.

GaAsP NDD detectors - The A1R+ is equipped with two high-sensitivity GaAsP detectors in the non-descanned path for high-sensitivity multi-photon imaging.

Microscope	Eclipse Ni-E FN Upright.
Detectors	2 x GaAsP NDD Detectors, 4 x PMT for standard confocal imaging, 1 x DIC PMT, 1 x 32 channel Spectral Detector.
Objectives	10x dry, 16x, 25x and 40x water dipping.
Laser Wavelengths	405nm diode, 457nm/488nm/514nm Argon Ion, 561nm diode, 642nm diode, Coherent Chameleon Vision II laser.
Environment	Solent Scientific chamber with temperature control.