

Nikon A1R HD Multiphoton Confocal Microscope  
Specifications

Item	
Objectives	<ul style="list-style-type: none"> <li>• 10X/ 0.45</li> <li>• 25X/1.1 /WATER</li> </ul>
Laser	Ti: Sapphire multiphoton laser 690 nm - 1040 nm
Filter Sets	FITC <ul style="list-style-type: none"> <li>• Excitation: BP480/30</li> <li>• Dichroic: 505</li> <li>• Emission: BP535/46</li> </ul> TRITC <ul style="list-style-type: none"> <li>• Excitation: BP540/26</li> <li>• Dichroic: 565</li> <li>• Emission: BP605/56</li> </ul>
Detectors	4x NDDs <ul style="list-style-type: none"> <li>• UV, Em: 492</li> <li>• Green, Em: 525/50</li> <li>• Red, Em: 575/25</li> <li>• Far-red, Em: 629/53</li> </ul>
Scanners	Conventional XY scanner <ul style="list-style-type: none"> <li>• Max. resolution: 8192 x 8192 pixels</li> <li>• Max. speed:               <ul style="list-style-type: none"> <li>5 fps @ 512 x 512 pixels</li> <li>50 fps @ 512 x 16 pixels</li> </ul> </li> </ul>
	Resonant XY scanner <ul style="list-style-type: none"> <li>• Max. resolution: 1024 x 1024 pixels</li> <li>• Max. speed:               <ul style="list-style-type: none"> <li>15 fps @1024 x 1024 pixels</li> <li>30 fps @512 x 512 pixels</li> <li>420 fps @band scan mode</li> </ul> </li> </ul>
Stage	Manual, universal stage
Anesthesia System	Stoelting Link 7 with induction chamber 12x6x7 in
Software	Nikon NIS Element