

## Technical Information for the FV3000 Confocal Imaging System

Scanner (standard) (high speed)	Galvanometer Resonant
Microscope:	Olympus IX83 Inverted
Available Objectives:	PLAPON 2x Dry N.A. 0.08 W.D. <a href="#">6.20</a> UPLSAPO 10x Dry N.A. 0.40 W.D. <a href="#">3.10</a> UPLFLN 20x Dry N.A. 0.5 W.D. <a href="#">2.10</a> UPLSAPO 20x Oil N.A. 0.85 W.D. <a href="#">0.17</a> UPLFLN 40x Oil N.A. 1.3 W.D. <a href="#">0.20</a> PLAPON 60xSC2 Oil N.A. 1.4 W.D. <a href="#">0.12</a>
Laser wavelengths (nm):	405, 488, 561, 640, 750nm
Main Dichroic:	DM 405/488/561/640, DM 405/488, DM 405/488/561, BS 10/90
Barrier Filters:	Spectral – 4 channels are adjustable
Detectors	2 PMT standard PMTs and 2 high sensitivity GaAsP PMTs SD1 and SD2 – mirror, glass, SDM 400-470, SDM 400-495, SDM 400-540, SDM 400-580, SDM 400-620 HSD3 and HSD4 – mirror, glass, SDM 400-470, SDM 400-495, SDM 400-540, SDM 400-580, SDM 400-620
Spectral detection	Motorized Volume Phase Holographic transmission diffraction grating with a linear resolution of 2nm (1-100 nm bandwidth from 400-800 nm detection)
Motorized stage:	Fully motorized stage

Manufacturers Website: [https://www.olympus-lifescience.com/en/laser-scanning/fv3000/?gclid=Cj0KCQiAmITRBRCSARIsAEOZmr4vtxU9Ck7rW0jZ41tklcxgHcyeVkg2F7QiHiP6fN00VclyKT8WhIEaApkBEALw\\_wcB](https://www.olympus-lifescience.com/en/laser-scanning/fv3000/?gclid=Cj0KCQiAmITRBRCSARIsAEOZmr4vtxU9Ck7rW0jZ41tklcxgHcyeVkg2F7QiHiP6fN00VclyKT8WhIEaApkBEALw_wcB)