

Specifications for Olympus FV1000-Filter Confocal System

Detectors:	4 filter-based fluorescence PMT detectors and one transmitted, DIC detector	
Upright Microscope:	Olympus BX61F/BX62F	
Available Objectives:	UPLSAPO 10x, N.A. 0.4 LUCPLFLN 20x, N.A. 0.45 UPLSAPO 20x Oil, N.A. 0.85 UPLFLN 40x Oil, N.A. 1.3 PLAPONSC 60x Oil, N.A. 1.4	
Laser wavelengths:	HeNe1 (543 nm) , HeNe2 (633 nm), Argon/2 laser (458, 477, 488, 514 nm), and 405nm Diode laser	
Excitation Dichroics:	BS 20/80, DM 405/488 DM 458/515 DM 405/488/543/633 DM 488/543/633	
Detector 1:	SDM490	BA430-470
Dichroics and Barrier filters	SDM510	BA480-495
	SDM560	BA505-525
Detector 2:	SDM560	BA505-525
Dichroics and Barrier filters		BA505-605
		BA535-565
Detector 3:	SDM640	BA560-620
Dichroics and Barrier filters		BA560-660
Detector 4:		BA 655-755
Dichroics and Barrier filters		
Pinhole:	adjustable in 0.5µm step increments	
Image info:	OIB or OIF Olympus format, 12 bit gray scale 24 bit color JPEG/BMP/TIFF/AVI image formats also available Pixel resolution formats range from 64x64 up to 4096x4096	

Manufacturers Website: <http://www.olympusfluoview.com/brochures/pdfs/FV1000.pdf>