

Hyperspectral Imaging Specification

CytoViva Hyperspectral Imaging Components Specifications

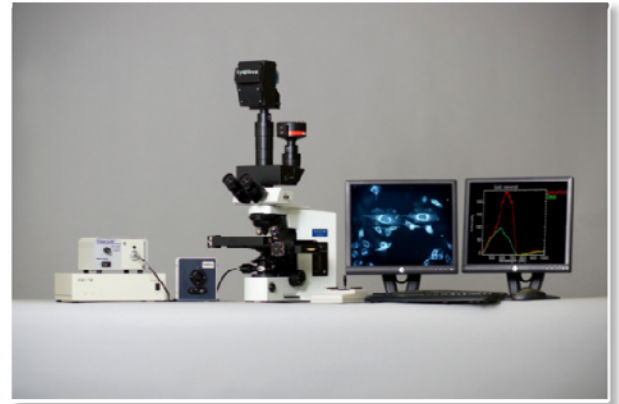


VNIR Hyperspectral Imager

Spectral/Optical	
Λ Coverage	400 – 1,000 nm
Spectral Bandpass ¹	1.25 nm
Spectral Resolution ²	1.29 nm
Electronics	
Frame Rate	12 fps, 23 fps w/ 2x vertical binning
Shutter	Electronic global
Exposure Time	5 μ s – 65s
Digital Resolution	12bit
Data Interface	PCI, compact PCI
Binning Selection	1 or 2 pixels horizontal and/or vertical
Power Consumption	12w
Power Supply	VAC via PCI
CE Certified	Yes

¹ = With 12.5 μ m wide entrance slit; 25 μ m, 40 μ m & 60 μ m slits also included

² = At Nyquist limit and 12.5 μ m slit



CytoViva Nano-scale Microscope and Hyperspectral Imaging System

Motorized Stage

Travel Range	114mmx75mm
Repeatability	\pm 1 μ m
Minimum step size	0.010 μ m

Image Analysis Operating System¹

Hardware	Operating System	Supported Versions
Intel/AMD x86 32-bit	Windows	XP, Vista

¹ Computer hardware and Windows operating system are provided as part of a total systems solution