



# Essen BioScience Reference Material

Instrument:	IncuCyte ZOOM
Reference Name:	Specifications
Document Number:	8000-0168-A00
Date:	August 16, 2012

<b>Operation Systems</b>	Microsoft Windows XP (x32) Microsoft Windows Vista (x32 & x64) Microsoft Windows 7 (x32 & x64)
<b>Supported Objectives</b>	4x, 10x, 20x
<b>Native Image Size<sup>1</sup></b>	1392x1040 Pixels
<b>Image Resolution</b>	4x: 3.05 $\mu$ m 10x: 1.22 $\mu$ m 20x: 0.61 $\mu$ m
<b>Fluorescence Excitation<sup>2</sup></b>	Green Channel 440-480 nm Red Channel 565-605 nm
<b>Fluorescence Emission<sup>2</sup></b>	Green Channel 504-544 nm Red Channel 625-705 nm
<b>Exported Image Formats</b>	JPEG, PNG, TIFF, RAW
<b>Exported Movie Formats</b>	WMV, AVI
<b>Internal Data Storage</b>	9 Tbyte Hard Disk RAID 12 Gbyte RAM
<b>Network Connection</b>	Ethernet 10/100/1000 Mbps RJ45 Connector
<b>Power</b>	100-240 VAC 47-63 Hz 3.5 Amps max @ 120V 1.75 Amps max @ 240V
<b>Controller Dimensions (H x W x D)</b>	5.5" x 17.0" x 21.5" 14.0 cm x 43.2 cm x 54.6 cm
<b>Microscope Dimensions (H x W x D)</b>	12.4" x 17.7" x 18.5" 31.5 cm x 45.0 cm x 47.0 cm
<b>Controller Weight</b>	38 lbs 17.2 Kg
<b>Microscope Weight</b>	44 lbs 20 Kg
<b>Operating Environmental Controller</b>	0°C to 33°C 5% to 90% RH Non-Condensing
<b>Operating Environmental Microscope</b>	0°C to 42°C 5% to 95% RH Non-Condensing

1) Larger Mosaic Images are available in special modes

2) Fluorescence license and color filter cube must be installed