

# ZEISS Axio Observer Z.1 Spinning Disk Confocal Microscope

Axio Observer Z.1  
HXP 120V

**Camera:**

Axiocam MRm  
(1388 x 1040 pixels)

**Evolve 512 Delta EMCCD Camera**

(16um x 16 um pixel area)  
High-speed imaging  
67 fps

Multi-track Image Capture

**Live cell chamber:**

Regulated CO<sub>2</sub>, temperature, and humidity

**Motorized stage:**

Tiling and automated stitching  
Multi-position capabilities

**LENSES:**

Magnification	NA	WD (mm)	Coverslip thickness (mm)	Brightfield	DIC Contrast	Lens
10x	0.3	5.2	0.17	Yes	I	EC Plan NEOFLUAR
20x	0.8	0.55	0.17	Yes	II	Plan NEOFLUAR
40x oil	1.4	0.13	0.17	Yes	III	Plan APOCHROMAT
63x oil	1.4	0.19	0.17	Yes	III	Plan APOCHROMAT
100x oil	1.46	0.11	0.17	Yes	III	alpha Plan APOCHROMAT

**REFLECTORS:**

Position. 01	DIC TL
Position. 02	49 DAPI
Position. 03	38 HeGFP
Position. 04	77 HeGFP/mRFP

**SOFTWARE:**

Zen Black