

## Zeiss LSM 980 Inverted Confocal Microscope with Airyscan2

<b>Specification</b>	
Lasers	Diode: 405nm (5mW); 455nm(7.5mW); 488nm (10mW); 514nm(10mW); 639nm (5mW); DPSS: 561nm (10mW), 594nm(2.5mW)
<b>Microscope</b>	
Stand	Inverted: Axio Observer 7
XY stage	Motorized scanning stage
Filter cubes for observation	Solid-state light source Colibri 5/7, Filter set 90 HE LED(E), Excitation 385nm, 475nm, 555nm, 630nm, Emission filter QBP 425/30+514/30+592/30+709/100
Objectives	2.5X0.085 ; 5x 0.2 DIC; 10x 0.45 Ph1; 20x 0.8 Ph2; 40x 1.4 Oil DIC; 40x/0.6 Corr Ph2
Accessories	TOKAI HIT Stage Top Incubator Definition Focus Unit
<b>Scan Module</b>	
Scan mode	xy, xyz, xz, xt, xyt, lambda
Scan speed	At 512 × 512 pixels: confocal – up to 6.1 fps; Airyscan SR – up to 4.7 fps; Multiplex SR-4Y – 25 fps; Multiplex SR-8Y – 47.5 fps; Multiplex CO-8Y – 34.4 fps
Detector	Airyscan 2(32 concentrically arranged GaAsP detection elements), 4 channels GaAsP PMT plus 2 channels MA-PMT; 1 transmitted light T-PMT
Software	Windows 10, ZEN 3.0 (BLUE version)
Application	DIC/Phase contrast imaging; Spot/line Scan; XY 2D imaging; multi-spectrum fluorescent imaging; Z-stack 3D imaging, colocalization, live cell imaging; FRAP, FRET, ZEN connect; Sample navigation