

## Zeiss LSM 880 Inverted Confocal Microscope with Airyscan

<b>Specification</b>	
Lasers	<b>Diode : 405nm (15mW); 458nm (25mW), 488nm (25mW); 514 nm (25mW), 561nm (20mW), 594nm (2mW); 633 nm (5mW)</b>
<b>Microscope</b>	
Stand	Inverted: Axio Observer 7
XY stage	Motorized scanning stage, Piezo stage insert
Filter cubes for observation	<b>#49 DAPI; #43 DsRed; #38 GFP;</b>
Objectives	5x 0.2 DIC; 10x 0.45 Ph1; 20x 0.8 Ph2; 40x 1.4 Oil DIC; 40x 1.2 W/Gly; 63x 1.4 Oil DIC
Accessories	TOKAI HIT Stage Top Incubator Definition Focus Unit
<b>Scan Module</b>	
Scan mode	xy, xyz, xz, xt, xyt, lambda
Scan speed	<b>13 frames/second at 512 × 512 pixels.</b>
Detector	Airyscan (32-channel GaAsP PMTs) + 2 multialkali PMTs ; 1 transmitted light T-PMT
Software	Windows 10, ZEN 2.3 (BLACK version)
<b>Application</b>	DIC/Phase contrast imaging; Spot/line Scan; XY 2D imaging; multi-spectrum fluorescent imaging; Z-stack 3D imaging, colocalization, live cell imaging; FRAP, FRET