SPECIFICATIONS	
Laser Unit	Laser 405nm, 488nm, 561nm, 640nm
Detector	Wavelength: 400-750nm, Detector: 4 PMT
Scanner	Maximum Pixel Size: 4096 Scanning speed: 2 fps (512 x 512), 18 fps (256 x 256), 0.5 fps (1024×1024), 0.12 fps (2048×2048), 0.03 fps (4096×4096)
Scan Mode	X-Y, X-Y-Z, X-Y-T
Pinhole	Hexagon shape, Continuously Variable Transmission (CVT)
Confocal Field number	Square Inscribed in a φ18mm Circle
Image bit depth	12 bits
Compatible Microscopes	NIB950 Full Motorized Inverted Microscope
Optical System	NIS60 Infinite Optical System(F200)
Eyepiece	10X(25), EP17.5mm, adjustable diopter -5 ～ +5, Interface Φ30
Viewing Tube	Seidentopf Trinocular Tube, Inclined at 45°, Interpupilary Distance 47-78mm, Eyepiece Interface Φ30, Fixed Visibility;
	1) Eyepiece/Camera Switch (100/0, 50/50, 0/100); 2) Visualization/Turn off Visualization/Bertrand lens Position Adjustable
Digital Camera	NEXCAM-T5 with C-Mount adapter
Nosepiece	Motorized Sextuple Nosepiece (expansion slot), M25×0.75
Objectives	NIS60 Plan APO 10X NA 0.45 WD 4.00 mm Cover glass thickness 0.17 NIS60 Plan APO 20X NA 0.75 WD 1.10 mm Cover glass thickness 0.17 NIS60 Plan APO 40X NA 0.95 WD 0.25 – 0.17 mm Cover glass thickness 0.11 – 0.23 NIS60 Plan APO 60X NA 1.42 WD 0.14 mm Cover glass thickness 0.17, OIL Immersion NIS60 Plan APO 100X NA 1.45 WD 0.13 mm Cover glass thickness 0.17, OIL Immersion
Condenser	6-Position Motorized Control: NA0.55, WD26; Phase Contrast (10/20, 40, 60) DIC (10X, 20X/40X) Empty Hole
Illumination	Transmitted Kohler Illumination, 10W LED Illumination;
	Epi-Illumination: Wide-field Fiber Illumination; 6-Position Motorized Fluorescent Carousel (B, G, U, V, **R**) Motorized Fluorescent Shutter
Intermediate	Manual 1X, 1.5X, Confocal switching
Output Port	Splitting Ratio: Left: Eyepiece=100:0; Right: Eyepiece=100:0
Stage	Motorized Control: Moving Range 130 mm x 100 mm (325 mm x 144 mm) Maximum Speed: 25mm/s； Resolution: 0.1μm - Repeat Accuracy： 3μm. Mechnical Adjustable Slice Clamp
Focusing system	Coaxial Coarse and Fine Adjustment,Stroke: Focus up 7 down 2; Coarse Stroke 2mm per Rotation. Fine Stroke 0.002mm per Rotation, Manual and Motorized Control, Minimun Stroke 0.01um under Motivated Control.
DIC Plate	10X, 20X, 40X Plate; Can be Inserted in Nosepiece Slot
Controller	Rocking Bar, Controller Box, USB Connection Cable
Software (Multi language with Russian Interface support)	NOMIS Advanced C Display/Image Processing/Analysis 2D/3D/4D Analysis, Time-lapse Aanalysis,3D Volume Render/Orthogonal, Image Stitching, Multichannel Color Confocal Image
Computer	1. Windows 10 Pro 64 bit Operating System **(Multi language with Russian Interface support)**
	2. CPU: Intel Core i7-8700, 6 Core, 12MB Cache, 3.20GHz, 4.6Ghz Turbo w/ HD Graphics 630

	3. RAM: 16GB (2x8GB) 2666MHz DDR4 UDIMM Non-ECC
	4. Hardware: 3.5"" 1TB 7200rpm SATA Hard Disk Drive
	5. Video card: NVIDIA Quadro P620, 2GB, 4 mDP to DP Adapter
	6. USB Interface: 6 Available USB Slots
	7. Display: 24" Monitor Display that Supports 1920X1080 Resolution
Packing List	1. NIB950 Mainframe box: 56*51*51 cm; Weight: 23.0 kg 2. NIB950 Accessory box: 62*57*47 cm; Weight: 25.0 kg 3. NIB950 Electric platform box: 53*39*49 cm; Weight: 25.0 kg 4. Computer mainframe box: 49*24*49 cm; Weight: 11.3 kg 5. Monitor box: 79*49*16 cm; Weight: 8.3 kg 6. Computer keyboard box: 51*16*4 cm; Weight: 0.7 kg 7. NCF950 Laser flightcase box: 61*58*110 cm; Weight: 100.1 kg 8. Vibration Isolation table: 61*52*23 cm; Weight: 11.1 kg **Total: 8 PCS** **Total weight: 193.0 kg** **Total Volume: ~ 1 m^3**