

System Specifications

Measuring principle	Confocal, PSI, ePSI, CSI, Ai Focus Variation and Thin Film
Observation types	Brightfield, DIC, Sequential Color RGB, Confocal, Interferential Phase Contrast
Measurement types	Image, 3D, 3D thickness, profile and coordinates
Camera	5Mpx: 2448x2048 pixels (60 fps)
Total magnification (27" screen)	60X - 21600X
Display resolution	0.001 nm
Field of view	from 0.018 to 6.7 mm (single shot)
Max. Extended measuring area	10x12 (Max. Resolution); 175x175 (Low resolution) (500 Mpx)
Confocal frame rate	60 fps (5Mpx); 180 fps (1.2 Mpx)
Vertical scan range coarse	Linear stage: 40 mm range; 5 nm resolution
Vertical scan range fine	Piezoelectric scanner with capacitive sensor: 200 µm range; 1.25 nm resolution
Max. Z measuring range	PSI 20 µm; CSI 10 mm; Confocal & Ai Focus Variation 34 mm
XY stage range	Manual: 40x40 mm; Motorized: 114x75 mm, 154x154 mm, 255x215 mm, 302x302 mm
LED light sources	Red (630 nm); green (530 nm); blue (460 nm) and white (575 nm; center)
Ring light illumination	Green ring light compatible with 6 position nosepiece
Nosepiece	6 position fully motorized
Sample reflectivity	0.05 % to 100%
Sample weight	up to 25 Kg
Sample height	40 mm (standard); 150 mm and 350 mm (optional)
User Management rights	Administrator, supervisor, advanced operator, operator
Advanced Software Analysis	SensoMAP, SensoPRO, SensoMATCH, SensoCOMP (optional)
Power Line Voltage	100-240 V AC; frequency 50/60 Hz single phase
Computer	Latest INTEL processor; 3840x2160 pixels resolution (4K) (27")
Operating system	Microsoft Windows 10, 64 bit
Dimensions	System: 600x610x740 mm (23.6x24x29.1 in); Controller: 209x318x343 mm (8.2x12.5x13.5 in)
Weight	61 Kg (134 lbs)
Environment	Temperature 10 °C to 35 °C; Humidity <80 % RH; Altitude <2000 m