

# System Specifications

Measuring principle	Confocal, CSI and Ai Focus Variation
Measurement types	Image, 3D, 3D thickness
Camera	1 Mpx: 1024x1024 px (150 fps)
Confocal frame rate	60 fps
Range of magnifications	2.5X - 100X
Field of view	From 0.14 to 5.6 mm (single shot)
Z stage travel range	20 mm; 5 nm resolution
Max. Z measuring range	Confocal & Ai Focus Variation 12 mm; CSI 1 mm
XY stage range	Motorized 125x75 mm
Max. Extended measurement area	125x75mm
Tip-tilt stage	Manual up to $\pm 4^\circ$ of tilting
LED light sources	Blue (460 nm); white (580 nm; center)
Nosepiece	6 position fully motorized
Sample reflectivity	0.05 % to 100%
Sample weight	Up to 3 kg
Sample height	Up to 100 mm
User management rights	Administrator, supervisor, advanced operator, operator
Advanced Software Analysis	Inc: SensoVIEW; Op: SensoPRO, SensoMAP
Computer requirements	Intel Core i5/i7 processor, Ethernet connectivity, minimum 1920 x 1080 display resolution
Operating system	Microsoft Windows 10 or higher
Dimensions	330x450x540 mm
Weight	34 kg
Power	Line Voltage 100-240 V AC; frequency 50/60 Hz single phase
Environment	Temperature 10 °C to 35 °C; Humidity <80 % RH; Altitude <2000 m