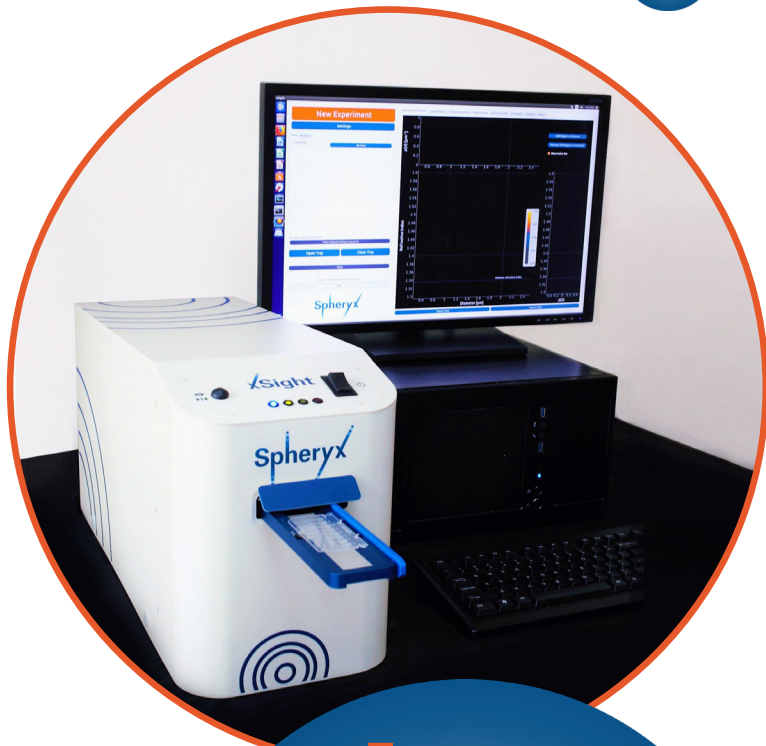


# xSight Specifications



## Features

- Single particle measurement
- Measures size and refractive index
- Turnkey operation
- Applicable to wide array of particles and systems
- Insight into particle morphology
- Measurement in the sample's native environment
- Disposable sample cells
- Effective in turbid media

## ● Total Holographic Characterization® Specifications

<b>Particle Size</b>	0.5 – 10 $\mu\text{m}$
<b>Sensitivity</b>	$10^3$ particles/mL = $10^{-18}$ M
<b>Concentration</b>	$10^4$ – $10^7$ particles/mL
<b>Sample Size</b>	25 – 35 $\mu\text{L}$
<b>Stage Temperature</b>	Ambient to $40^\circ\text{C}$ ( $\pm 0.3^\circ\text{C}$ )
<b>Viscosity</b>	1 – 20 cP
<b>Microfluidic Cell</b>	xCell8 <sup>1</sup>

## ● Instrument Specifications

<b>Dimensions (LxWxH)</b>	55.9 cm x 21.6 cm x 30.5 cm (22" x 8.5" x 12")
<b>Weight</b>	14 kg (30 lbs)
<b>Operating Temperature</b>	20 – $30^\circ\text{C}$ (Ambient)

## ● Computer Specifications<sup>2</sup>

<b>Operating system</b>	Ubuntu 16.04 (English)
<b>Processor</b>	Intel i9 (14 cores) + GPU
<b>Disk Space</b>	1TB (SSD) + 4TB (HDD)

## ● Electric Specifications

<b>Voltage</b>	110 – 240 V
<b>Frequency</b>	50/60 Hz
<b>Center Wavelengths</b>	450 nm, 520 nm, 640 nm
<b>Emission Bandwidth</b>	< 1 nm
<b>Laser Output Power</b>	~ 2.3 mW

1. xCell8 is sold separately

2. Custom workstation, monitor, mouse and keyboard included with xSight purchase