







## System specifications

Measuring principle	Fringe Projection (Gray code & Slit, Gray code & Phase Shift)
Observation types	Bi-telecentric lens with 0.243X magnification and 0.015 NA
Color camera	5Mpx: 2448x2048 pixels (60 fps)
Total magnification (27" screen)	11X
Display resolution	0.001 $\mu\text{m}$
Max. Extended measuring area	300x300 mm with 10x12 stitched fields (Max. resolution 450 Mpx)
Vertical measuring range	10 mm (up to 40 mm)
XY stage range	Manual: 150x100 mm; Motorized: 154x154 mm, 302x302 mm
LED light sources	Green (530 nm) and blue (460 nm)
Ring light illumination	White
Sample weight	up to 25 Kg
Sample height	105 mm (standard); 280 mm (optional)
User management rights	Administrator, advanced operator, operator
Advanced software analysis	Included: SensoVIEW; Optional: SensoPRO, SensoMAP, Geomagic®
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
Weight <sup>4</sup>	55 Kg (121 lbs) table-top system; 8 Kg (18 lbs) integrable head
Environment	Temperature 10 °C to 35 °C; Humidity <80 % RH; Altitude <2000 m

## Objective lenses

	FRINGE PROJECTION
MAG	0.243X
NA	0.015
WD (mm)	80
FOV <sup>1</sup> (mm)	34.7 x 29.1
Spatial sampling <sup>2</sup> ( $\mu\text{m}$ )	14.2
Optical resolution <sup>3</sup> ( $\mu\text{m}$ )	9.35

## Accuracy and repeatability

Standard	U, $\sigma$
Step height	U = 2.5 $\mu\text{m}$ , $\sigma$ = 0.05 $\mu\text{m}$
Area roughness (Sa)	U = 1 $\mu\text{m}$ , $\sigma$ = 0.01 $\mu\text{m}$
Profile roughness (Ra)	U = 1 $\mu\text{m}$ , $\sigma$ = 0.05 $\mu\text{m}$

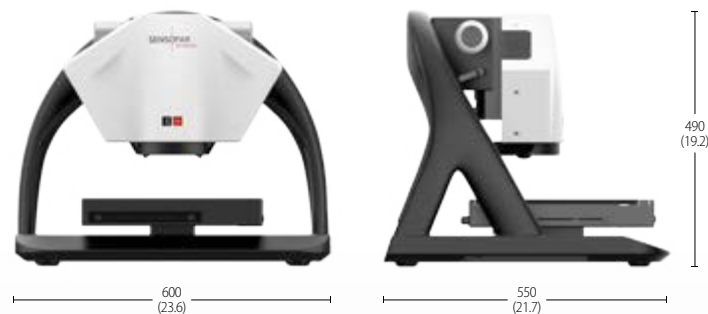
**1** Maximum field of view with 3/2" camera. **2** Pixel size on the surface. **3** L&S: Line and Space. Values for blue LED. **4** Adjustable stand with H105 XY Stage.

Since 2007, Sensofar has been member of the Technical Committee of the International Organization for Standardization (ISO/TC213 WG16).



## Dimensions

mm (inch)



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METROLOGY

sensofar.com



### HEADQUARTERS

**SENSOFAR METROLOGY** | BARCELONA (Spain) | T. +34 93 700 14 92 | info@sensofar.com

### SALES OFFICES

**SENSOFAR ASIA** | SHANGHAI (China) | T. +86 021 51602735 | info.asia@sensofar.com

**SENSOFAR GERMANY** | MUNICH (Germany) | T. +49 151 14304168 | info.germany@sensofar.com

**SENSOFAR USA** | NEWINGTON (USA) | T. +1 617 678 4185 | info.usa@sensofar.com