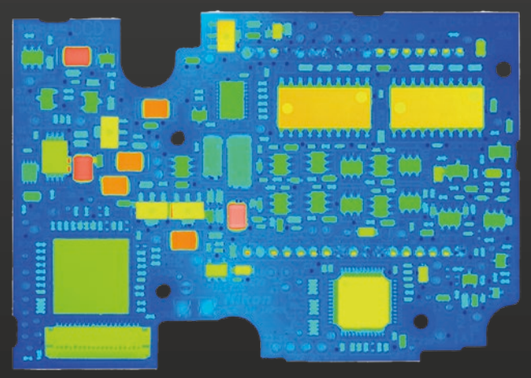
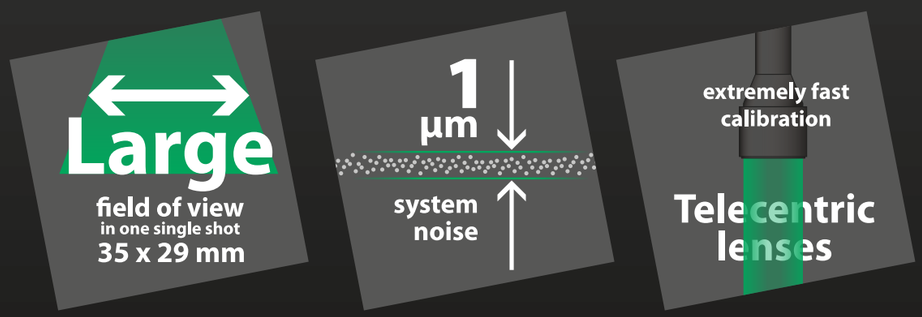
Single shot
areal imaging

The S wide provides all the benefits of a digital microscope integrated into a high resolution measuring instrument. With only one shot, it acquires 35 x 29 mm of XY area and up to 40 mm of depth without any Z movement. The combination of proprietary Fringe Projection technology with telecentric lenses yields an excellent performance and 1 µm system noise.





S wide

INTEGRABLE HEADS

Objective lens

Fringe Projection

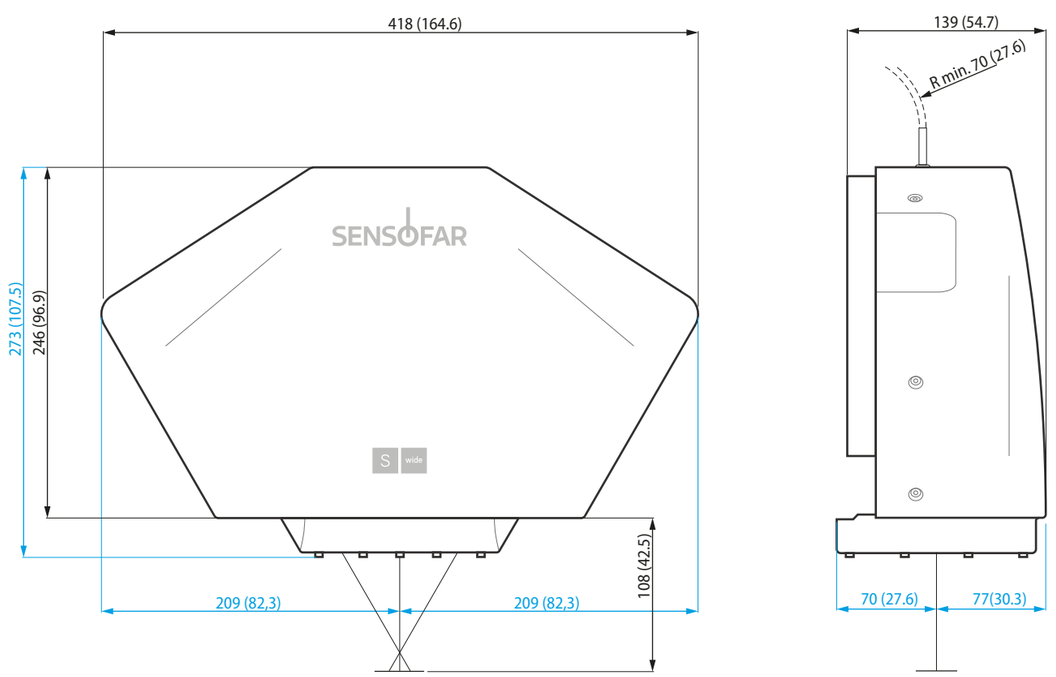
MAG	0.243X
NA	0.015
WD (mm)	80
FOV[1] (mm)	34.7 x 29.1
Spatial sampling[2] (µm)	14.2
Optical resolution[3] (µm)	9.35

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 µm
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
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
Software communication	DLL (C++ or C#, Windows 10® - 64 bits) - XML (any operating system)
Computer	Latest INTEL processor; 3840x2160 pixels resolution (4K) (27")
Operating system	Microsoft Windows® 10, 64 bit
Environment	Temperature 10 ºC to 35 ºC; Humidity <80 % RH; Altitude <2000 m

Dimensions mm

Weight: 8 Kg (18 lbs)



Head dimensions

Working distances

1 Maximum field of view with 3/2" camera. **2** Pixel size on the surface. **3** L&S: Line and Space, half of the diffraction limit according to the Rayleigh criterion. Values for blue LED.

SPECIFICATIONS