

DATASHEET

A NEW WAVEFRONT SENSOR

The SEBI[®] RT1000 introduces exceptionally high wavefront phase spatial sampling (1.000 x 1.000), a real time processing (30 FPS), and a wavefront accuracy ($\lambda/30$ RMS) for the most demanding measurement tasks.

SPECIFICATIONS

Wavelength range	450 - 650 nm
Pupil Dimension	max 15x15 mm ²
Spatial Resolution	7 μ m
Phase and Intensity sampling	1000x1000
Wavefront Accuracy (Absolute)	$\lambda/30$ RMS
Wavefront repeatability	$\lambda/50$ RMS
Acquisition rate (real time processing)	30 fps
Interface	USB 3.0
OS	Windows

APPLICATIONS

The versatility of the SEBI[®] RT1000 allows it to be used in any application that can benefit from phase data extraction to obtain information in the nanometer and micrometer range. Examples include, but are not limited to, optical metrology, quantitative phase imaging, materials inspection and others



LASER
MEASUREMENT



OPTICAL
METROLOGY



MATERIAL
INSPECTION



QUANTITATIVE
PHASE IMAGING

MORE INFORMATION

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