



HASO BROADBAND +

A great choice for almost any lab or industrial application, the HASO BROADBAND is Imagine Optic's most versatile wavefront sensor.

This generation features the new SpotTracker™ technology. It provides absolute wavefront and tilt information, eliminating alignment requirements for faster and easier implementation.

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Compatible with the Optical Engineer Companion modular system: easily combine the accessories you need.

APPLICATIONS

Successfully used in the most demanding applications in optical metrology, microscopy, and laser diagnostics, the HASO BROADBAND performs multiple functions :

- + Quantify the aberrations of an optical system
- + Align the system to ensure that it performs at its best
- + Predict the performance of optical systems in terms of focusing capability or imaging quality
- + Quantify the effects of temperature and gravity on system performance
- + Verify that the optics comply with specifications
- + Measure directly the optical system's wavelength dependency
- + Drive a wavefront corrector to rectify system aberrations
- + Check whether the optical mount overly distorts the optics

FEATURES

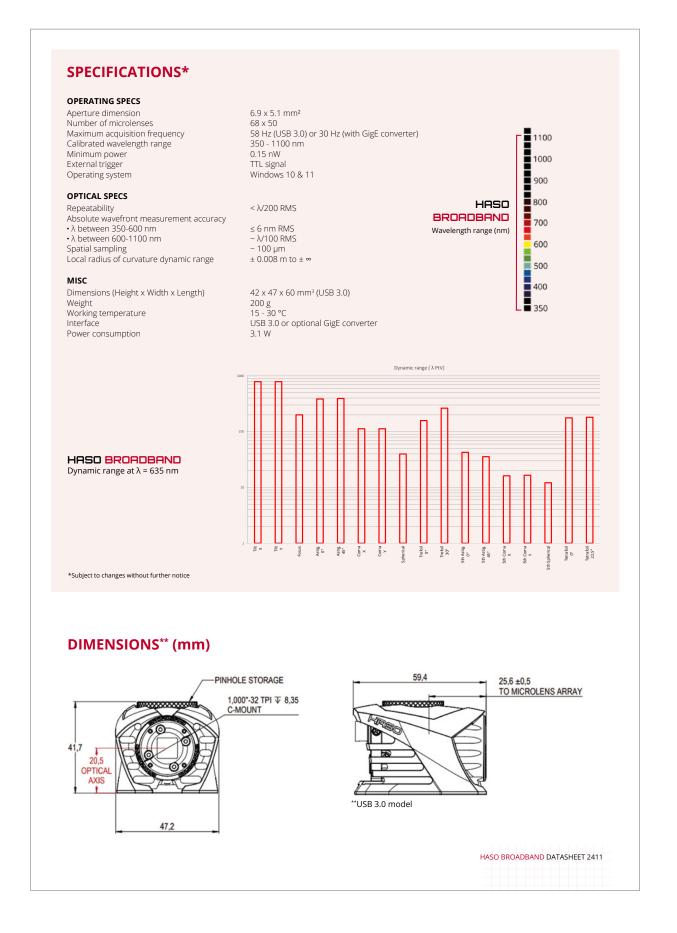
+ Easy wavefront measurement on the whole spectrum of the sensor: 350 - 1100 nm with no wavelength dependency + Direct wavefront acquisition of converging and diverging F/5 beams with an accuracy of about λ /100 RMS, including astigmatism and high-order aberrations

- + Beam collimation with an accuracy better than 300 m radius of curvature
- + Gaussian beam measurement down to 1/e⁴ (contrast of 100)



HASO BROADBAND DATASHEET 2411







SOFTWARE

WAVEVIEW™

Metrology Software

WAVEVIEW[™] is the most advanced wavefront measurement and analysis software. It offers more than 150 features and tools optimized for a wide range of highly demanding applications.

Options:

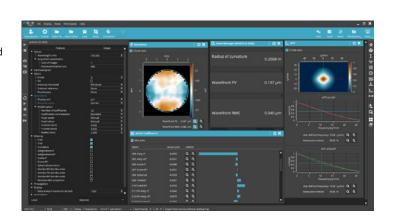
+ Extensions for PSF, MTF, M² and Strehl ratio

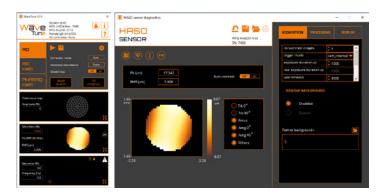
+ Optional SDK in C/C++, LabVIEW and Python



WAVETUNE[™] is a unique software that seamlessly combines wavefront measurement and correction features with extensive instrument diagnostics. It is perfectly adapted to our HASO wavefront sensors, ILAO STAR, MIRAO and mu-DM deformable mirrors, as well as to a wide range of active components. **Options**:

+ Optional SDK in C/C++, LabVIEW and Python







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