BeamWave® 1500

All-In-One

Powerful Wavefront Analyzer & Smart Beam Profiler

High Spatial Wavefront Resolution

Ultra detailed wavefront map > 1K x 1K measurement points, at pixel resolution

Adjustable Dynamic Range & Sensitivity

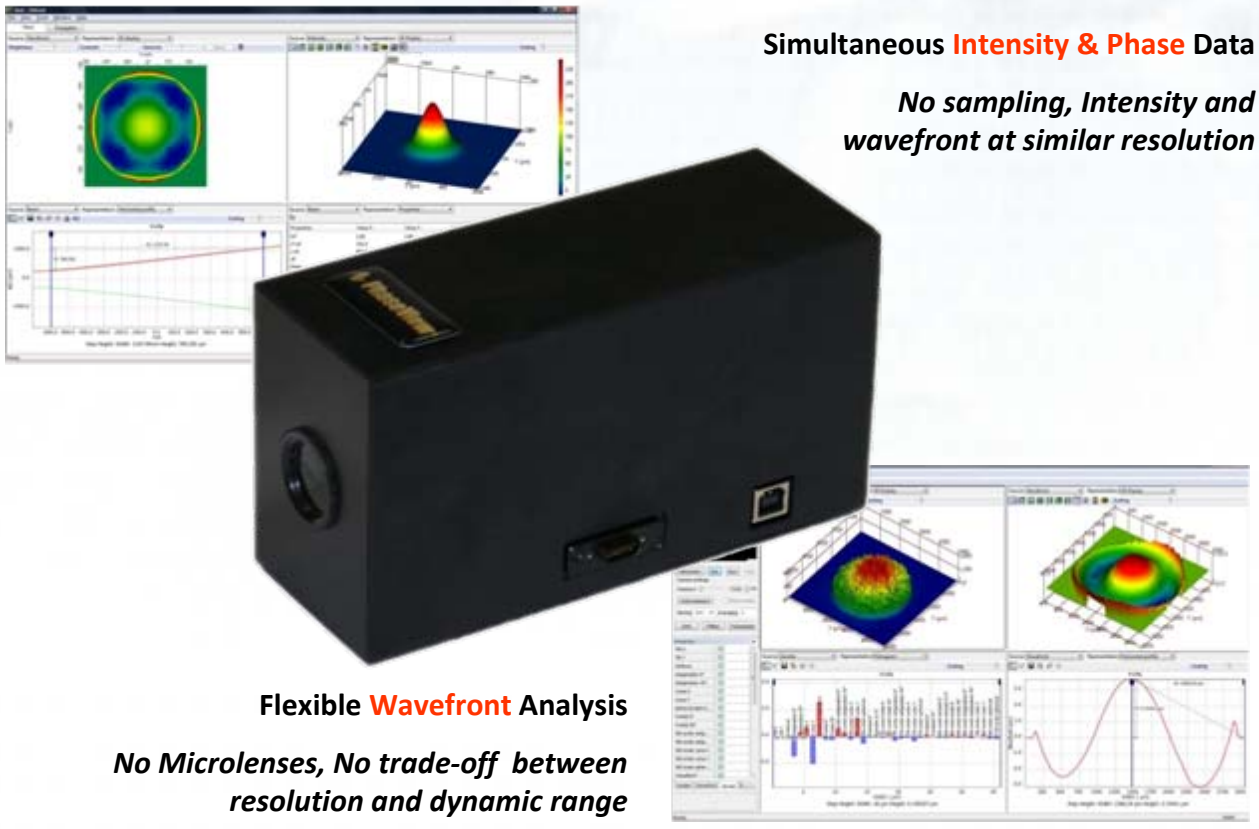
Low and strong divergence beam measurement capabilities

Accurate Beam Profiler

Measurement of all critical laser beam parameters

Beam Propagation Analysis

On-click Intensity distribution at any selected planes



Simultaneous Intensity & Phase Data

No sampling, Intensity and wavefront at similar resolution

Flexible Wavefront Analysis

No Microlenses, No trade-off between resolution and dynamic range

PhaseView®
The Digital Wavefront Company

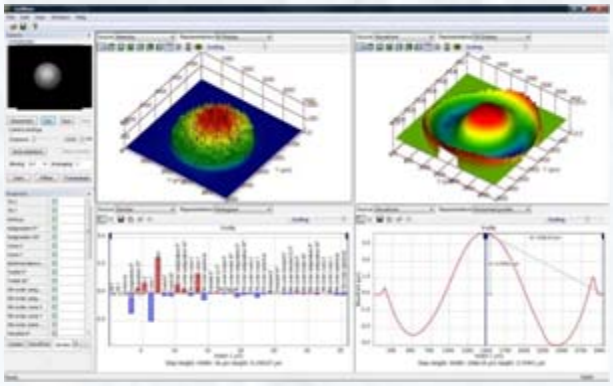
All-In-One Wavefront Analyzer & Beam Profiler

BeamWave® 1500 performs wavefront measurement, intensity distribution analysis and beam propagation analysis in a single device. The associated software GetLase® is supplied together with BeamWave® 1500 and offers multiple display and comprehensive analysis tools.

Flexible Wavefront Measurement

Zernike Analysis • Low and High Order Aberrations

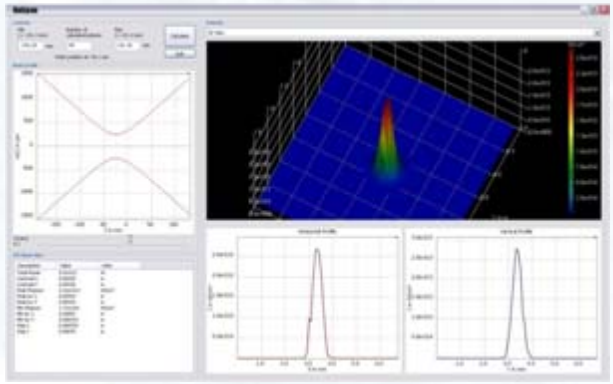
BeamWave® 1500 provides high spatial wavefront data with more than 1000 x 1000 measurements points, without compromise on dynamic range. Thanks to its adjustable dynamic capability, either strong or low divergence beams can be accurately measured.



High Resolution Beam Profiling

Intensity distribution • XY Profile • Centroids • Divergence angle • Asymmetry • M^2

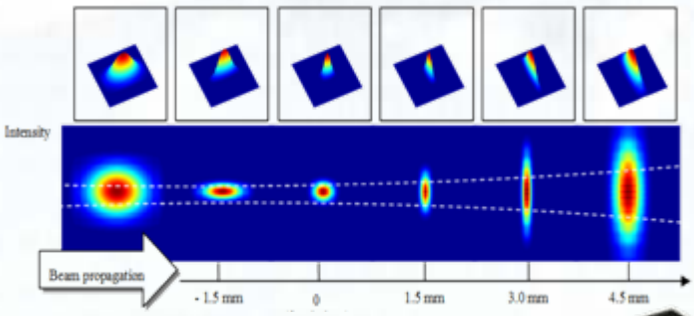
BeamWave® 1500 is a reliable CCD beam profiler for CW laser offering precise intensity distribution analysis. All critical beam parameters are measured including M^2 without need of additional accessories.



On-Click Beam Propagation Analysis

Intensity distribution at any selected plane

Thanks to it capability to measure simultaneously phase and intensity, BeamWave® 1500 delivers beam propagation analysis, thus providing an instant picture of laser beam behavior along the propagation axis.



Specifications

CCD Camera Resolution	1392 x 1040
Pixel Size	6.45 x 6.45 µm
Wavelength	350 – 1100 nm
Maximum Beam Diameter	6.4 mm
Wavefront Measurement Points	1392 x 1040
Wavefront Sensitivity	3nm, >λ/200 rms (@ 633 nm)
Wavefront Accuracy	6nm, >λ/100 rms (@ 633 nm)
Wavefront Dynamic	Up to 1100µm, 1800λ (@ 633 nm)
M^2 Range	1 to >50
M^2 Accuracy	+/-5%
M^2 Repeatability	<2%
Optical Interface	C-mount
Computer Interface	USB 2.0
Dimensions	114 W x 72 H x 171 L mm
Weight	1150 grams

PhaseView®
The Digital Wavefront Company

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