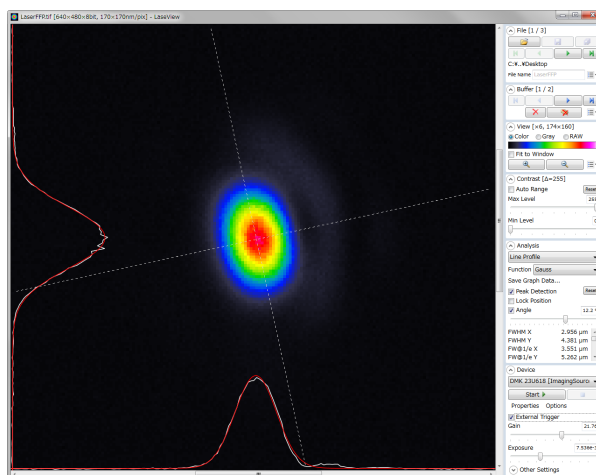


# Beam profiler with M<sup>2</sup> platform software

## LaseView 5.0

- Only \$2,000 (without tax)
- Free 30-days trial
- Measurement of a beam diameter is available
- Measurement of M<sup>2</sup> is available
- Real-time analytics
- Automatic contrast adjustment
- Micro beam measurement is available (require an option)



LaseView 5.0 is an advanced and general-use laser beam profiler that runs on Windows. By using commercially available CCD cameras or CMOS cameras, it is possible to easily construct a low cost and practical beam measuring system. Because it is possible to use low-cost cameras, beam monitoring system using several cameras can be constructed with low cost. LaseView 5.0 also can be used for M<sup>2</sup> measurement. This software is suitable for assembling, adjustment, and evaluation for laser instruments and laser experiment.

LaseView 5.0 is an innovational beam profiler platform software that combines high-performance, high-resolution, high-convenience, low cost and customer-orientation.

## Operating environment

- Windows XP SP3
  - Windows Vista SP1
  - Windows 7
  - Windows 8 Windows 8.1
- (This is not guaranty operation on all computers fitting this description)

## Recommended camera

- Imaging Source Inc.  
USB 2.0 CCD monochrome camera  
DMK21 ~ DMK51 series
- Imaging Source Inc.  
USB 3.0 CCD monochrome camera  
DMK23 series
- Baslar Inc.  
USB 3.0 CCD monochrome camera  
acA640-120um, acA640-30um  
acA1300-30um, acA1600-20um

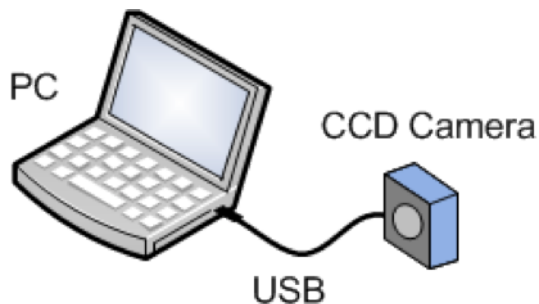
## Comparison of LaseView 5.0 to conventional products

	Conventional products	LaseView 5.0
Main sales methods	CCD camera + software	Only software* <sup>1</sup>
Third-party CCD camera	Unavailable	Available
Measurable minimum beam diameter	> 30 μm	> 2 μm * <sup>2</sup>
Price	\$5,000~	\$2,400~* <sup>3</sup>
M <sup>2</sup> measurement function	Sold separately \$5,000~	Include

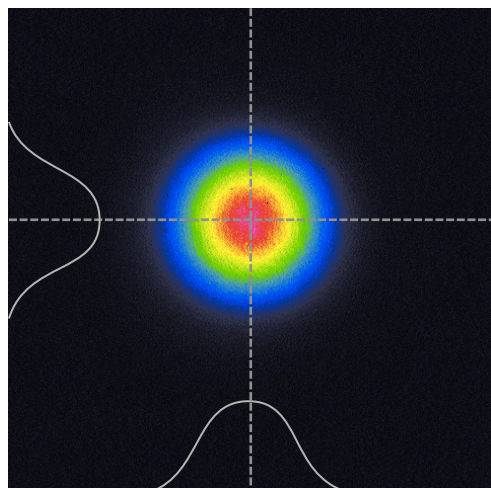
\*<sup>1</sup> CCD camera option, micro-beam measurement optical system set option (\$60~\$120), and ND filter set (\$730) options are available

\*<sup>2</sup> Require micro-beam measurement optical system option

\*<sup>3</sup> Software (\$200) + camera(\$40)



## Analysis functions



Line profile of far-field pattern of Ti:sapphire laser

### Line Profile

Line profile display on cross line  
(with Gauss function, Lorentz function and Sech2 function fitting, and FWHM analysis function)

### Integration Profile

Displaying averaged profile in the horizontal and vertical direction  
(with analysis function similar line profile)

### Max. Intensity Projection

Display of orthogonal projection (maximum value) profile of horizontal and vertical direction

(with analysis function similar line profile)

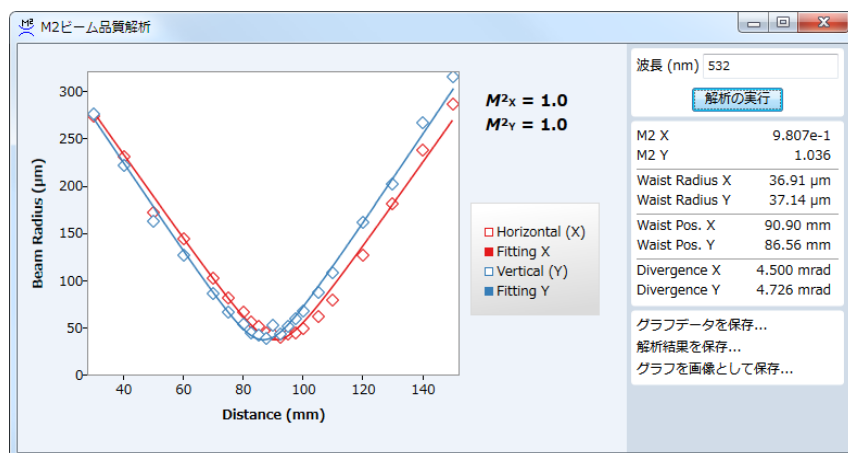
### Point-Point Distance

Measurement of the distance between any two points on the screen

### Peak Integration

Analysis of the integrated value in a circle and analysis of the light intensity on the cursor setting the outside of the circle as a background

## M<sup>2</sup> measurement



M<sup>2</sup> measurement example of commercially available green laser pointer

M<sup>2</sup> is easily measured by sliding a CCD camera around a beam waist

Detailed information is available in the following website.

<http://en.optipedia.info/products/laseview/>