BEAM PROFILER

Beam Profiler : VIS/NIR Spectral Range

Beam Profiler is developed to provide excellent sensitivity from the VIS to NIR spectral range (350nm-1100nm). Thanks to its high resolution and its small pixel size, the CinCam is a high performance tool for laser beam analysis of cw and pulsed laser systems.

What are the advantages?

- Megapixel sensor without cover glass
- Passive sensor cooling
- High dynamic range
- Power calibration
- Easy adaption to standard optical components

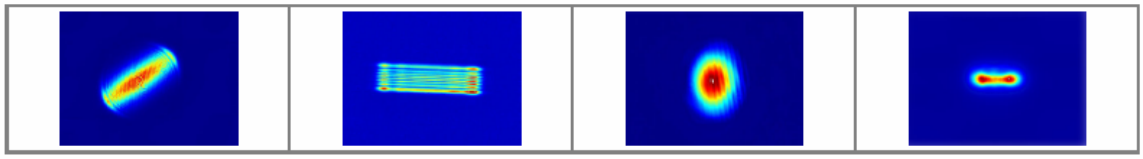
	CCD-1201	CCD-1301	CCD-2301	CCD-2302
Number of pixel:	1.4MPixel	1.2MPixel	1.4MPixel	5MPixel
Pixel size:	4.65x4.65µm	3.75x3.75µm	6.45x6.45µm	3.45x3.45µm
Beam diameter:	max. 4mm	max. 3mm	max. 5mm	max. 5.5mm
Bit depth (Output):	14Bit	14Bit	14Bit	14Bit
Dynamic:	60dB	59dB	67dB	54dB
Frame rate:	up to 15Hz	up to 30Hz	up to 16Hz	up to 9Hz
Interface:	1394b	1394b	1394b	1394b
Price (Euro)	**2700**	**2240**	**3430**	**3790**

The portable CinCam is designed to be used in a variety of applications in industry, science, research and development, including:

- Laser beam analysis of cw and pulsed lasers,
- Quick control of laser modes and adjustment errors,
- Test equipment for scientific research,
- Near-Field and Far-Field analyses of lasers, LED devices and other light sources.

The concept of the CinCam enables easy adaption to standard optical imaging systems, attenuators and opto-mechanical components ensuring highest flexibility. This includes:

- Microscope lens and beam expander,
- UV-Converter and IR-Converter,
- Fixed and variable attenuators, ect.



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CO_2-Beam Profiler

The fastest beam profiler with high resolution on the market today!

What are the advantages?

- Real-time monitoring by a high frame rate
- High resolution
- Small effective pixel size
- Power calibration
- Online monitoring without optical components in the beam path
- Imaging without scanning technique or fluorescent materials

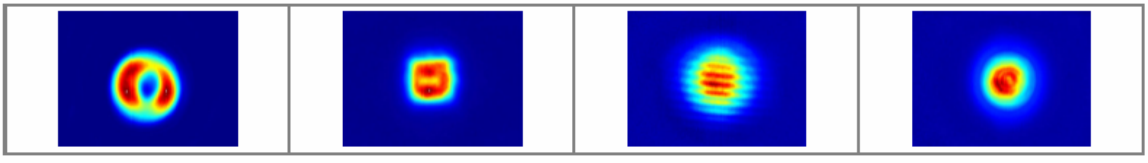
	LaserDec CL200	**LaserDec CL500**
Spectral sensitivity:	optimized for 10.6µm	optimized for 10.6µm
Clear aperture:	Ø 20mm	Ø 30mm
Beam diameter:	1mm-10mm	2mm-15mm
Intensity (I_{max}):	2kW/cm^2	2kW/cm^2
Input power (P_{max}):	200W (2.5kW)	500W (3kW)
Interface:	1394a	1394a/b
Price (Euro)	**6760**	**8060**

The LaserDec system ensures beam profiling:

- By high frame rates and high resolution,
- Without optical components in the beam path,
- Without scanning techniques, fluorescent materials or toxic fumes through acrylic mode burns.

The compact and portable LaserDec is designed to be used in a variety of applications in industry, science, research and development, including:

- Laser beam analysis of cw and pulsed lasers,
- Quick control of laser modes and adjustment errors,
- Test equipment for scientific research,
- Near-Field and Far-Field analyses of lasers.



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Beam Profiler Software

Beam Profilers are available with the specifically designed beam profiling software, which utilizes new developed correction algorithms and incomparable visualizations modes. This ensures the highest accuracy in beam profile analysis according to ISO standards.

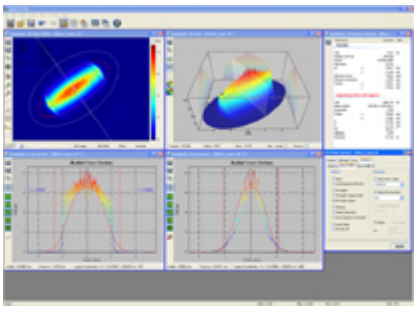
Features:

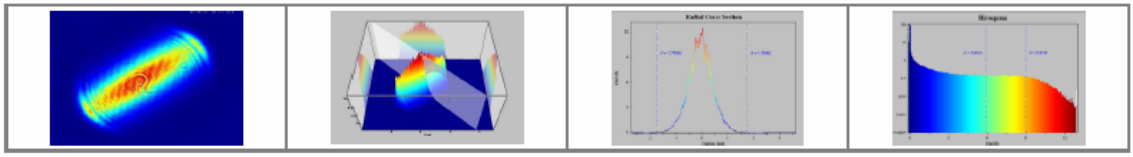
- Available as 32 Bit / 64 Bit version
- Multiple beam profilers support
- Pixel correction technology
- Real-time beam parameter and beam position control
- Real-time beam width and statistic determination
- Graphical visualizations and analysis functions, etc.

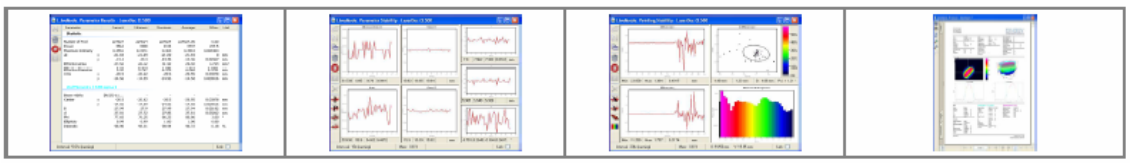
Software is compatible with guidelines of the international standard organization for laser beam measurements:

- ISO 11145: Vocabularies and symbols
- ISO 11146: Beam width, propagation ratio
- ISO 11670: Beam positional stability
- ISO 13694: Beam power density distribution.

Price (Euro) : 2000







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