Laser Beam Profiling Visible & NIR

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Laser Beam Analysis

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Laser Detection in a New Dimension
with CinCam CCD and CinCam CMOS

CINOGY’s CinCam is optimized to provide excellent sensitivity from the VIS to NIR spectral range. Thanks to its high resolution and its small pixel size, the CinCam is a high performance tool for laser beam analysis of continuous wave (CW) and pulsed laser modes. Due to its high dynamic range the CinCam captures even higher laser modes with outstanding detail.

The passive cooled sensor of the CinCam is constructed without cover glass to avoid interference patterns. For sensor protection, a low distortion neutral density filter is integrated. The CinCam supports the ultra-fast FireWire IEEE 1394b interface with data transfer rates up to 800 Mbit/s. The plug and play design facilitates easy and flexible integration and operation.

CinCam CCD features

- Resolution from 1292 x 964 up to 4872 x 3248 pixels
- Sensor sizes from 4.8 mm x 3.6 mm up to 36 mm x 24 mm
- Spectral response from 350 nm to 1100 nm extendable with converters
- 14 bit output bit depth
- Passive cooled sensor
- Extensive camera calibration
- No cover glass on CCD sensor

CinCam_CCD_DataSheet 1.44 Mb

CinCam CMOS features

Most cost-effective beam profiler on the market!

The 1.3 Megapixel CMOS sensor with 5.2µm2/5.3µm2 pixel size provides accurate laser beam analysis with up to 25fps. The ultra-compact design facilitates easy and flexible integration in optical assemblies.

What are the advantages?

- Lightweight and ultra-compact design for easy integration

- High-resolution MPixel sensor without cover glass

- Real-time monitoring by high frame rate and dynamic range

- UV-Version (200nm - 1100nm) without microlenses

- Standard high-speed USB 2.0 interface

- Different software versions available: Lite, Standard, Professional

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