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BladeCam2-XGR UV Beam Profiler

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Product Downloads

General

Model Number:
S-BCR-XHR-UV

Physical & Mechanical Properties

Dimensions (mm):
46 x 46 x 12.8

Dimensional Accuracy:
±1µm

Optical Properties

Spectral Range:
355 - 1100

Beam Diameter (µm):
32 (10 Pixels)

Sensor

Pixel Size, H x V (µm):
3.2 x 3.2

Pixels (H x V):
2,048 x 1,536

Sensing Area, H x V (mm):
6.5 x 4.9

Sensor Format:
1/2"

Frame Rate:
>6

Electrical

Signal to Noise S/N Ratio (dB):
1,000:1

Peak Noise (nW/cm^2):
30 dB optical / 60 dB electrical

Threading & Mounting

Mount:
6-32 holes aligned with sensor center. 4-40 holes on camera rear. NOTE: DataRay will ship new units with a 1/4"-20 adapter

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Product Details

- Designed for Use from 355 to 16000nm
- Compatible with Beam Diameters Down to 52µm
- Robust and Easy to Use Free Software **Provided**
- Measure Beam Wander, M², Divergence, and More

DataRay Camera Beam Profilers provide excellent solutions for beam analysis of both continuous wave and pulsed laser sources. Each beam profiler features an integrated CMOS sensor (IR profilers feature Microbolometer sensors) that eliminates comet trailing for higher resolution output and allows for update rates of 60+ Hz. Sensors are available with active sizes of 6.6, 11.3, and 25mm horizontals, enabling measurement of large beam diameters. DataRay Camera Beam Profilers have the added advantage of a free, robust software with analysis features such as M² measurement, beam wander and logging, and instrument alignment. These profilers are USB3.0/2.0 powered and include a 3m flexible screw locking cable. Neutral density filters with optical densities of 1.0, 2.0, and 4.0 are included.

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