TaperCamD-LCM Beam Profiler

Stock **#24-212   1 In Stock**

(-)   1   (+)   **C$19,390**.⁰⁰

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Qty 1+	**C$19,390.00** each
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Product Downloads

Physical & Mechanical Properties

Dimensions (mm):
57 x 57 x 54

Dimensional Accuracy:
±1µm

Optical Properties

Spectral Range:
355 - 1150

Minimum Stimulation, Pulsed:
USB 2.0: 6.3 kHz
USB 3.0: 12.6 kHz

	Beam Diameter (µm):
125 (10 Pixels)	

Sensor

	Pixel Size, H x V (µm):
12.5 x 12.5	
	Pixels (H x V):
2,048 x 2,048	
	Sensing Area, H x V (mm):
25 x 25	
	Sensor Format:
1"	
	Frame Rate:
60Hz	

Electrical

	Signal to Noise S/N Ratio (dB):
2,500:1	
	Peak Noise (nW/cm^2):
34 dB optical / 68 dB electrical	

Threading & Mounting

	Mount:
1/4-20 thread	

Regulatory Compliance

	RoHS 2015:
Exempt	
	Certificate of Conformance:
View	
	REACH 241:
Contains SVHC(s)	

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.