

TaperCamD-LCM Beam Profiler



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+

£11,080^{.00}

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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	
125 (10 Pixels)	Beam Diameter (µm):
Sensor	
12.5 x 12.5	Pixel Size, H x V (µm):
2,048 x 2,048	Pixels (H x V):
25 x 25	Sensing Area, H x V (mm):
1"	Sensor Format:
60Hz	Frame Rate:
Electrical	
2,500:1	Signal to Noise S/N Ratio (dB):
34 dB optical / 68 dB electrical	Peak Noise (nW/cm²):
Threading & Mounting	
1/4-20 thread	Mount:
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

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, M^r, 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 M^r 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.