

Edmund Optics Beam Profiler 4M



Edmund Optics Beam Profiler 4M, #11-045

Stock #11-045 3-4 DAYS



1



£4,415.75

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Qty 1+

£4,415.75

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Beam Diameter, 1/e² (mm):
55um - 11mm

Frame Rate (fps):
6.20 (at full frame)

Filters Included :
Neutral Density, OD 4.0 (x1)

Mount:
1" x32 TPI (C-Mount)

Operating Temperature (°C):

18 to 28
Pixel Size, H x V (µm): 5.5 x 5.5
Pixels (H x V): 2048 x 2048 (4.2 MegaPixel)
Sensing Area, H x V (mm): 11.3 x 11.3
Dimensions (mm): 61 x 81.1 x 19.7
Weight (g): 138 g
Signal to Noise S/N Ratio (dB): 1000:1 (60 dB)
Gain (dB): User Adjustable
Gamma: N/A
Camera Sensor Format: 1"
Computer Interface: Displays: 2D, 3D, XY and Beam Tracking Dia. Definitions: D4σ, 1/e2 (13.5%), FWHM (50%), 86% of the aperture, Buffer Controls: Open File, Save Current Data, Save All Data, Previous/Next Image, Clear, Animate, Report: 2D, 3D, XY, Measures and Parameters. Print screen tool in BMP (2D and 3D)
Operating System: Windows
Peak Noise (nW/cm²): Contact us
Input Beam Requirements: Minimum 55µm (10 x 10 pixels)
Wavelength Range (nm): 350 - 1150
Spectral Range: 350 to 1150 nm
Dimensional Accuracy: Contact us
CW Saturation: 10 W/cm2 (at 1064 nm with ND4 filter)
Pulsed Saturation: 0.03 mJ/cm2 without ND filters. 0.1 J/cm2 with filter
Pulse Trigger: 1.1 to 24 V, rising edge
Peak Intensity: Auto adjusted to 85% of camera saturation level
Damage Threshold, By Design: ☐ 0.1 J/cm2 @ 1064 with ND4 filter
Maximum Power (W): 1 W with ND filter
Minimum Stimulation, Pulsed: External trigger recommended for repetition rates below 250 Hz
Frame Rate: 6.2 Hz 4.2 MPixel (Full frame), 32 Hz 0.066 Mpixel (256 x 256)
Exposure Time: 0.06 to 200 ms
Software: USB Included
Beam Diameter (µm): 55um - 11mm

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View