

# Coherent® Lasercam™ USB Laser Beam Profiler 1282868 | 1/2" Format

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Stock #33-156 **3 In Stock**

⊖ 1 ⊕ **\$6,286<sup>00</sup>**

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#### Volume Pricing

Qty 1+	<b>\$6,286.00</b> each
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#### Product Downloads

#### Physical & Mechanical Properties

**Dimensions (mm):**  
68.1 x 79.3 x 40.9 (with LDFFP)

**Weight (g):**  
110 (without cable)

**Dimensional Accuracy:**  
±1% (typical), ±5% max (over entire spectral and dimensional range)

#### Optical Properties

**Beam Diameter, 1/e<sup>2</sup> (mm):**  
Recommended: 0.15mm min, 4.0mm max

**Spectral Range:**  
190 - 1100nm (400 - 1100nm with LDFP)

**CW Saturation:**  
13 mW/cm<sup>2</sup> (at 632.8nm with LDFP)

**Pulsed Saturation:**  
0.4 mJ/cm<sup>2</sup> (at 1.06µm with LDFP)

**Peak Intensity:**  
Recommended: 75-95% of camera saturation

**Damage Threshold, By Design:**   
32 mJ/cm<sup>2</sup> @ 1.06µm without Low Distortion  
Faceplate

## Sensor

**Sensing Area, H x V (mm):**  
5.9 x 4.8

**Gamma:**  
1.00

**Sensor Format:**  
1/2"

**Frame Rate:**  
27Hz (Live Mode), 10Hz (with calculations)

**Exposure Time:**  
Fixed at 10ms

## Electrical

**Signal to Noise S/N Ratio (dB):**  
>60

**Gain (dB):**  
Gain is factory set for optimum linear dynamic range,  
not user adjustable

**Peak Noise (nW/cm<sup>2</sup>):**  
24 (at 632.8nm)

**Pulse Trigger:**  
TTL, rising or falling edge

## Hardware & Interface Connectivity

**Operating System:**  
Windows®

## Threading & Mounting

**Mount:**  
C-Mount

## Environmental & Durability Factors

**Operating Temperature (°C):**  
-20 to 60

## Regulatory Compliance

**RoHS 2015:**  
[Exempt](#)

**Reach 224:**  
[Contains SVHC\(s\)](#)

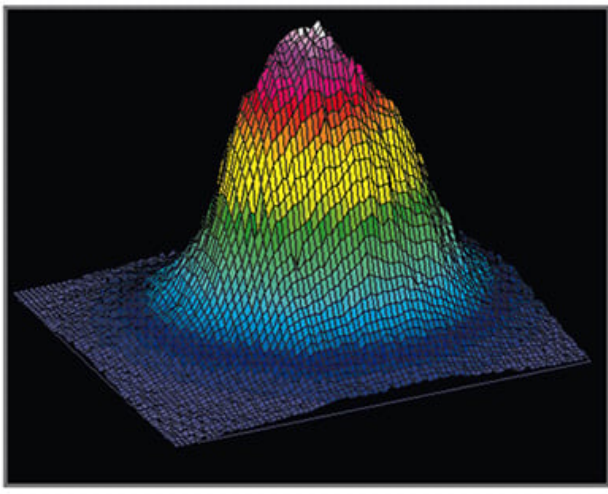
**Certificate of Conformance:**  
[View](#)

## Product Details

- 12 and 14-bit Digital USB 2.0 Interface Options
- High Sensitivity and Dynamic Range
- Intuitive BeamView™ Software Included

The Coherent® Lasercam™ Beam Profiler features excellent signal-to-noise ratio and linear response for accurate pulsed as well as CW laser beam dimension and uniformity measurements. The new BeamView™ 4.4 interface software features TCP/IP control and NI LabVIEW™ library suite, enabling efficient and smooth integration of beam profiling into any application. Examples of analysis functions that can be performed on the acquired beam images include: beam centroid location, beam peak intensity position, pointing stability, total relative power/energy in beam, peak power/energy density of beam, beam divergence, ellipticity, beam intensity uniformity, Gaussian fit, beam diameter/width based on second moments or user selectable percentage of peak/total energy.

## Technical Information



**Intuitive Software Interface**

