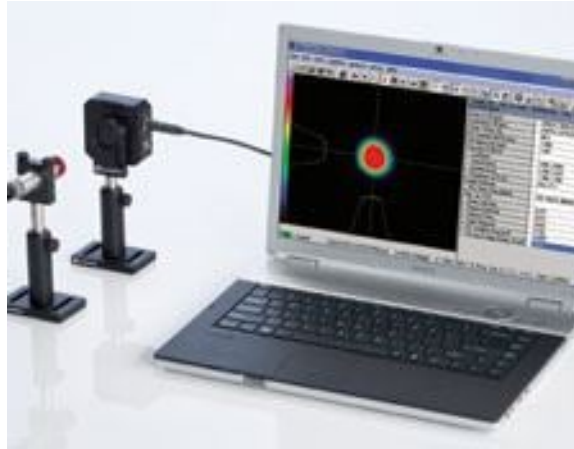


# Coherent® Lasercam™ USB Laser Beam Profiler 1282868 | 1/2" Format

#33-156



Coherent® Lasercam™ Beam Profiler는 훌륭한 신호 대 잡음비를 갖었으며 정확한 pulse, CW 빔의 넓이, 일정한 측정을 위해 선형 반응 특징을 보입니다. 새로운 BeamView™ 4.4 인터페이스 소프트웨어는 TCP/IP와 NI LabVIEW™ library suite를 특징으로 하며 어떠한 용도로도 효과적이고 부드러운 beam profiling 통합이 가능합니다. 빔 이미지로 가능한 분석 기능의 예: 빔 중심 위치, 빔 피크 농도 위치, pointing 안정성, 빔의 power/energy 비례 값, 빔의 피크 power/energy 농도, 빔 divergence, ellipticity, 빔 농도의 균일성, Gaussian fit, 두 번째 움직임 기반의 빔 지름/폭, 선택 가능한 peak/total 에너지 백분율.

## Physical & Mechanical Properties

Dimensions (mm):	68.1 x 79.3 x 40.9 (with LDFP)
Weight (g):	110 (without cable)
Dimensional Accuracy:	±1% (typical), ±5% max (over entire spectral and dimensional range)

## Optical Properties

Beam Diameter, $1/e^2$ (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
Camera 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

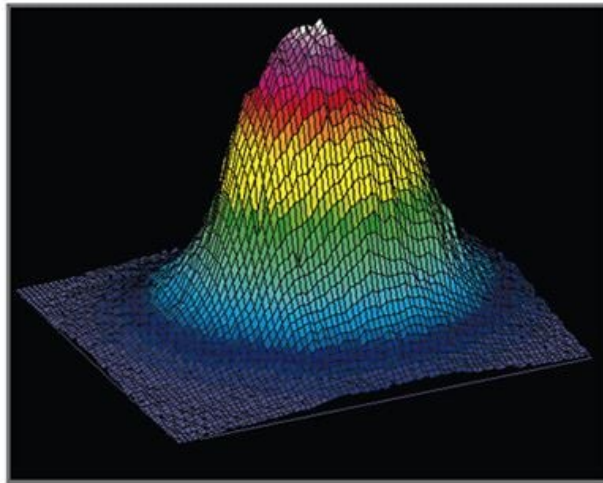
Operating System:	Windows®
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## Threading & Mounting

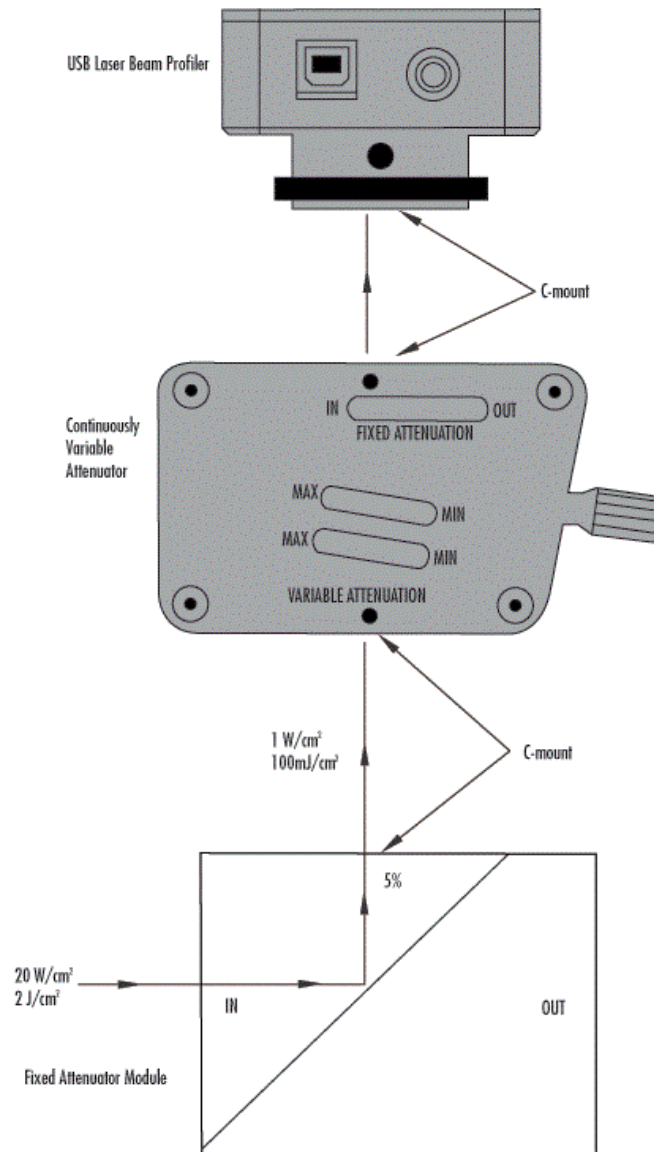
Mount:	C-Mount
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## Environmental & Durability Factors

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





June 21, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
33-156	Coherent® Lasercam™ USB Laser Beam Profiler 1282868   1/2" Format

This item is EU RoHS (2015/863/EU) exempt based on **Exemption 6a**- lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight- and **Exemption 6c**-Copper alloy containing up to 4% lead by weight.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance  
June 21, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | [Compliance@edmundoptics.com](mailto:Compliance@edmundoptics.com)



June 21, 2025

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재고 번호	제품설명
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This item contains substances listed on the REACH SVHC list as of 10 June 2022 in quantities exceeding 0.1% weight by weight, please contact [compliance@edmundoptics.com](mailto:compliance@edmundoptics.com) if you require more information.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



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June 21, 2025

재고 번호

33-156

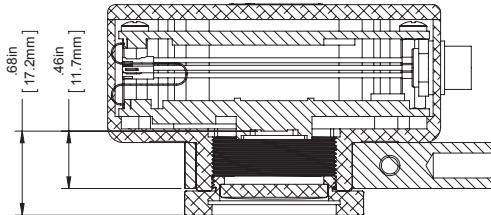
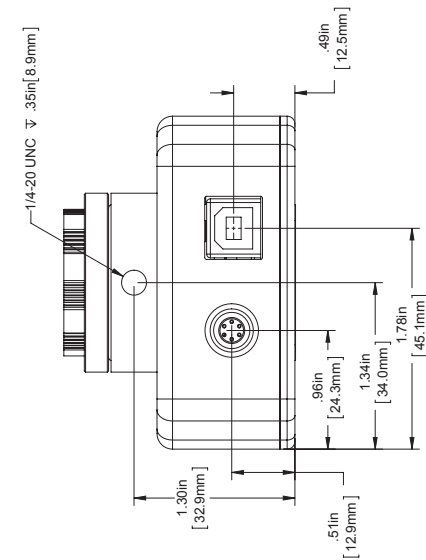
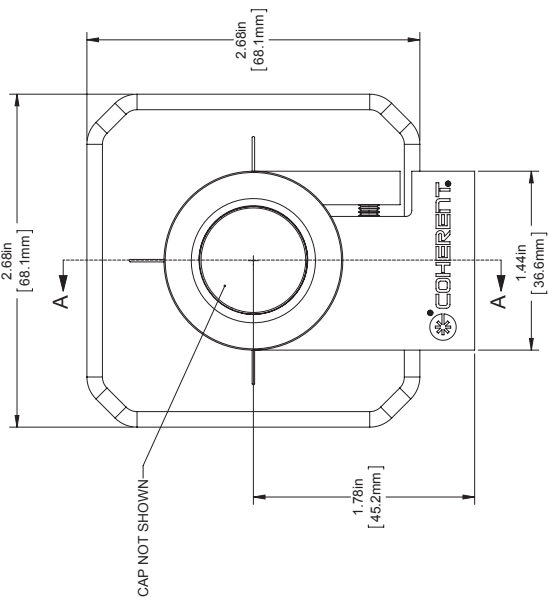
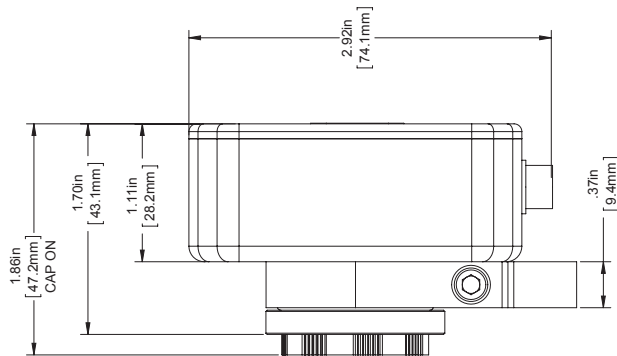
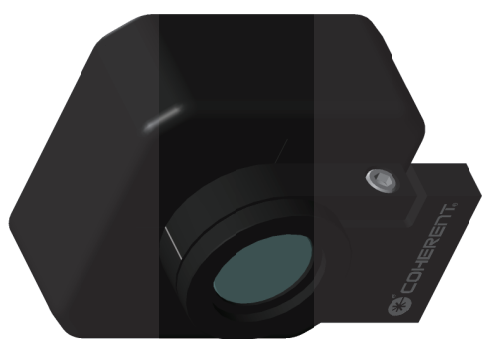
제품설명

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

Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



SECTION A-A

Title: LaserCam HR II - 1/2" USB Camera System	5100 Pollock Hwy Drive Santa Clara, CA 95051 www.coherent.com	COHERENT®	Date: 8-7-15	Rev: AB
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