

## BWA-CAM NIR Multi Spot Beam Profiler and M2 Measurement



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### Product Downloads

### General

**Model Number:**  
BWA-CAM700-1200-R6-I12-EO

## Physical & Mechanical Properties

**Dimensions (mm):**  
123.2 x 91.1 x 78.0

## Optical Properties

**Spectral Range:**  
700 - 1200

**Maximum Focused Beam Size (µm):**  
70

**Minimum Focused Spot Size (µm):**  
28

## Sensor

**Pixel Size, H x V (µm):**  
2.74 x 2.74

**Pixels (H x V):**  
4,128 x 3,008

**Sensing Area, H x V (mm):**  
11.31 x 8.24

**Sensor Format:**  
1/1.1"

**Frame Rate:**  
10

**Shutter Type:**  
Global

## Electrical

**Trigger:**  
Auto or External (8-pin Hirose connector HR25-7TR-8PA(73)) - [#86-758](#)

**Power Consumption (V):**  
1.9 – 4.0

## Hardware & Interface Connectivity

**Connector:**  
GigE POE

**Power Supply:**  
Power Supply Required and Sold Separately.  
Power Over Ethernet (PoE) Single Port injector - [#68-469](#) AND 2X of any of the following - [#63-863](#), [#63-864](#), [#59-231](#), [#59-232](#), [#59-233](#), [#59-234](#)

## Environmental & Durability Factors

**Operating Temperature (°C):**  
+0 to +55

## Regulatory Compliance

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

## Product Details

- Real-Time Analysis of Laser Beam Caustic, M<sup>2</sup>, Centroid, Ellipticity, and Astigmatism
- Compatible with CW and Pulsed Lasers with Single-Pulse Capability
- Ideal for Laser Development, Quality Control, and Optical System Monitoring
- Complies with ISO 11146 and ISO 13694

Haas Laser Technologies BWA-CAM M<sup>2</sup> Analyzer Cameras offer real-time M<sup>2</sup> measurement for continuous wave and pulsed lasers in UV, VIS, or IR wavelength configurations. Featuring a simple "one-button" calibration, this system is capable of delivering M<sup>2</sup> measurements from a single pulse, making it ideal for dynamic or single-shot laser systems. Engineered in compliance with ISO 11146 and ISO 13694 standards, the BWA-CAM provides precise evaluation of critical spatial beam parameters, including M<sup>2</sup>, beam profile, centroid, ellipticity, and astigmatism. Haas Laser Technologies BWA-CAM M<sup>2</sup> Analyzer Cameras enable users to detect optical system degradation early and optimize laser performance for maximum quality and process stability. The modular design of the BWA-CAM supports a broad range of laser wavelengths and application environments, while its high measurement accuracy and real-time data acquisition make it an essential tool for R&D, manufacturing, and laser system diagnostics.