

BWA-CAM VIS Multi Spot Beam Profiler and M2 Measurement



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General

BWA-CAM400-725-R6-I12-EO **Model Number:**

Physical & Mechanical Properties

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

Optical Properties

400 - 725 **Spectral Range:**

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

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

Sensor

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

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

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

1/1.1" **Sensor Format:**

10 **Frame Rate:**

Global **Shutter Type:**

Electrical

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

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

Hardware & Interface Connectivity

GigE POE **Connector:**

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](#) **Power Supply:**

Environmental & Durability Factors

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

Regulatory Compliance

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

Product Details

- Real-Time Analysis of Laser Beam Caustic, M², 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 M² Analyzer Cameras offer real-time M² 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 M² 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 M², beam profile, centroid, ellipticity, and astigmatism. Haas Laser Technologies BWA-CAM M² 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.