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BWA-CAM NIR Multi Spot Beam Profiler and M2 Measurement

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General

Model Number:
BWA-CAM-700-1200-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^2, 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^2 Analyzer Cameras offer real-time M^2 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^2 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^2, beam profile, centroid, ellipticity, and astigmatism. Haas Laser Technologies BWA-CAM M^2 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.

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