Feature

- Spectral Detection Range: 900~1700nm
- Beam Spot Measurement Range: 150μm~7.68mm
- Maximum Power Handling: 0.5W
- PC Host Software, Large Beam Spot Detection via Image Stitching, and Multi-Spot Simultaneous Monitoring

Model	CS1507NIR-GB
Camera type	InGaAs（Decoherence）
Detection Wavelength Range	900~1700nm
Sensor Size	8.4*7.68mm
Resolution	640*512
Sensor Pixel Size	15μm
Exposure Time	0.05ms~100ms ①
Shutter	Global
Beam Spot Detection Range	150μm~7.68mm②
Maximum Power Density (Damage Threshold)	10W/cm^2（with OD3.0 attenuation）
Maximum Energy Density (Damage Threshold)	1J/cm^2（with OD3.0 attenuation）
Maximum Power	0.5W
Attenuator	OD1/OD2/OD3（900~1700nm）
Interface	Gige
Frame Rate (Processing)	≥60Hz
External Trigger	supported
Structure Type	Rear interface, compatible with C-mount thread
Dimensions	See structural drawing
Operating Environment	Temperature<0~35℃③, relative humidity<60%
Operational Conditions	Software environment: Windows 10/11， 64 bit, pre installed with MS Office or WPS, Hardware configuration: ≥8GB memory, CPU clock speed ≥2.5G, core ≥4, recommended i5 or above equivalent models, optimal display resolution 1920 * 1080
Weight	< 500g

Attention:①This is the camera response at an exposure time of 100 ms.

②The maximum beam diameter of the fundamental-mode Gaussian laser is 4.7 mm @ $1/e^2$.

③ This refers to the operating temperature. For directivity testing, the temperature shall be controlled at 15–25 °C.

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