



Features

- ◆ Spectral Detection Range: 340~1350nm
- ◆ Beam Spot Measurement Range: 55 μ m~11.3mm
- ◆ Maximum Power Handling: 1W
- ◆ PC Host Software, Large Beam Spot Detection via Image Stitching, and Multi-Spot Simultaneous Monitoring

Model	CN0511VIS-NIR-B
Detection Wavelength Range	340~1100nm, 1100~1350nm
Sensor Size	11.3*11.3mm
Resolution	2048*2048
Dynamic Range	65dB
Minimum Sinking Distance	6mm
Sensor Pixel Size	5.5 μ m(default binning2)
Exposure Time	0.05ms~500ms
Shutter	Global Shutter
Beam Spot Detection Range	55 μ m~11.3mm
Minimum Effective Response ^①	0.476 μ W/cm ² @1064nm 0.0338 μ W/cm ² @633nm
Maximum Power Density (Damage Threshold)	50W/cm ² (with OD3.0 attenuation)
Maximum Energy Density	1J/cm ²
Maximum Effective Range	10W/cm ²
Maximum Power	1W
Attenuator	OD0.5/OD1/OD2/OD3 (340~1100nm) OD1/OD2/OD3 (1100~1350nm)
Interface	USB3.0
Frame Rate (Processing)	2~5fps ^②
Trigger	Yes
Structure Type	Back interface, compatible with C-port thread
Dimensions	See the outline
Operating Environment	Temperature<0~35 $^{\circ}$ C ^③ , relative humidity<60%
Operational Conditions	Software environment: Windows 10/11, 64 bit, pre installed with MS Office or WPS, Hardware configuration: $\geq$ 8GB memory, CPU clock speed $\geq$ 2.5G, core $\geq$ 4, recommended i5 or above equivalent models, optimal display resolution 1920 * 1080
Weight	< 500g

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

②The parameter mentioned is the calculating frame rate at a resolution of 5,000,000 pixels.

③It is the working temperature, if it involves directivity test, the temperature should be controlled at 15-25 $^{\circ}$ C.

