

Feature

- Spectral Detection Range: 340~1100nm
- Beam Spot Measurement Range: 50μm~12.8mm
- Maximum Power Handling: 1W
- PC Host Software, Large Beam Spot Detection via Image Stitching, and Multi-Spot Simultaneous Monitoring

Model	CN0512VIS-AB
Detection Wavelength Range	340~1100nm
Sensor Size	12.8*12.8mm
Resolution	2560*2560
Dynamic Range	65dB
Minimum Sinking Distance	6mm
Sensor Pixel Size	5μm(default binning2)
Exposure Time	0.05ms~500ms
Shutter	Global Shutter
Beam Spot Detection Range	50μm~12.8mm
Minimum Effective Response①	8.8μW/cm^2@1064nm 0.365μW/cm^2@633nm
Maximum Power Density (Damage Threshold)	50W/cm^2（with OD3.0 attenuation）
Maximum Energy Density (Damage Threshold)	1J/cm^2
Maximum Effective Range	10W/cm^2
Maximum Power	1W
Attenuator	OD0.5/OD1/OD2/OD3（340-1100nm）
Interface	USB3.0
Frame Rate (Processing)	2~5fps②
Trigger	Yes
Appearance	Back interface, compatible with C-port thread
Dimensions	See the outline
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: ① The described parameter indicates the lowest effective response when the exposure time is set to 100 milliseconds.
② The parameter mentioned is the calculating frame rate at a resolution of 5,000,000 pixels.
③ It is the working temperature, if it involves directivity test, the temperature should be controlled at 15-25° C.

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