



Features:

Wavelength range: 340–1080nm

Beam detection range: 50μm~9.8mm

Maximum power measurement up to 200 W

PC host software

Technical Parameters:

Model	CN0310VIS-W300
Spectral Range	340~1080nm ^①
Sensor pixel size	3.2um
Maximum sensor area	13.1mm*9.8mm
Minimum spot size	50μm
Maximum spot size	9.8mm ^②
Maximum acceptance angle	±2.5° @ central incidence ±0.05 mm
Minimum power	0.1W@50μm
Maximum power	200 W, focused spot ≥50μm, CW
Defocus measurement range	-10 mm ~ +5 mm (calculated from parfocal distance)
Parfocal tolerance	±0.5mm
Light entrance direction	Vertical
Built-in absorption attenuation	SWIR band: OD1 / OD2 / OD3 / OD4.5
Interface	USB3.0
External trigger	Supported
Cooling	Air-cooled; Water-cooled (flow rate 10 L/min, water temperature 20–25 °C, cooling capacity 0.5–1 kW, head 10–25 m)
Operating environment	Temperature < 15–25 °C, relative humidity < 60%
System requirements	Software: Windows 10/11 (64-bit), pre-installed MS Office or WPS Hardware: ≥8 GB RAM, CPU ≥2.5 GHz, ≥4 cores (i5 or equivalent recommended), optimal resolution 1920×1080
Weight	< 1.5Kg

General Module Parameters	
PW-Y	Detection band: 1030–1080nm; Max power: 300 W Detection time: ≤3 min @300 W, continuous operation at 200 W
PW-U	Detection band: 343–355nm; Max power: 100 W Detection time: continuous operation
PW-PT	Detection band: 340–900nm; Max power≤2 min @200 W Detection time: continuous operation
PW-G	Detection band: 515–532nm; Max power: 150 W Detection time: continuous operation
PW-N1	Detection band: 900–1100nm; Max power: 100 W Detection time: continuous operation

注：① Band can be extended by replacing the window module.

②For a TEM₀₀ mode beam with central incidence, the spot size is 6.5mm.

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