

Beam Profiler



Features:

- Spectral range: 1030-1070nm
- Beam diameter: 50 μ m~7.1mm
- Maximum power to 500W
- PC software

SPECIFICATIONS:

Product Name	CN0307NIR-W
Spectral Range (nm)	1030-1070
Sensor Size (μ m)	3.45
Maximum sensor area (mm)	8.4 \times 7.1
Minimal Beam Size (μ m)	50
Maximum Beam Size (mm)	7.1
Maximum Acceptance Angle	$\pm 2.5^\circ$ @ Center incidence ± 0.05 mm
Minimal Power (W)	0.1 @ 50 μ m
Maximum Power	300W, focused beam $\geq 50\mu$ m, CW 500W, focused beam $\geq 100\mu$ m, CW
Parfocal Tolerance (mm)	± 0.5 mm
Defocusing Measurement Range	-10mm~+5mm, calculated based on the parfocal distance of 96mm
Detection Time	≤ 1 min @ 500W, ≤ 3 min @ 300W, CW @ 200W
Attenuator	OD4.5~OD8 (optional)
Communication Interface	USB3.0
External Triggering	Available
Cooled Method	Air cooled; Water cooled, flow 10L/min, water temperature 20~25 $^\circ$ C, 0.5~1kW cooling capacity, pressure 10~25m
Operating Environment	Temperature $< 0 \sim 35^\circ$ C, Relative humidity $< 60\%$, Pointing test temperature: 15-25 $^\circ$ C
Operating System	Windows 10/11, Optimum resolution: 1920 \times 1080.
Weight (kg)	< 1.5
Incoming Light Direction	Vertical
Warranty	1 year

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