



Beam Profiler



Features:

Spectral range:1030-1070nm

Beam diameter: 50μm~10.4mm

Maximum power to 500 W

PC software

SPECIFICATIONS

Product Name	CN0310NIR-W
Spectral Range (nm)	1030-1070
Sensor Size (um)	3.45
Maximum sensor area (mm)	14.1*10.4
Minimal Beam Size (μm)	50
Maximum Beam Size (mm)	10.4
Maximum Acceptance Angle	±2.5°@ Center incidence ±0.05mm
Minimal Power (W)	0.1@50μm
Maximum Power	300W, focused beam≥50μm, CW 500W, focused beam≥100μm, CW
Detection Time	≤1minute@500W
Parfocal Tolerance (mm)	±0.5
Defocusing Measurement Range	-10mm~+5mm, calculated based on the parfocal distance of 95mm
Attenuator	OD4.5~OD8.5 (optional)
Communication Interface	USB 3.0
External Triggering	Available
Cooled Method	Air cooled; Water cooled, flow 10L/min, water temperature 20~25°C, 0.5~1KW cooling capacity, pressure 10~25 meters
Operating Environment	Temperature < 0~35°C; Relative humidity < 60%; Pointing test temperature: 15-25°C
Operating System	Windows 10/11, Optimum resolution: 1920*1080
Weight (Kg)	< 1.5
Incoming Light Direction	Vertical
Warranty	1 year

CN0310NIR-W