



Features:

Spectral range: 1030-1080nm

Beam diameter: 50μm~9.8mm

Maximum power to 500W

PC software

Model	CN0310NIR-W500
Spectral Range	1030-1080nm ^①
Pixel Size	3.2μm
Sensor size	13.1mm*9.8mm
Min. beam diameter	50μm
Max Beam Size	9.8mm ^②
Max. receiving angle	±2.5°@ Center incidence±0.05mm
Minimal Power	0.1W@50μm
Maximum Power	300W, Converge Light≥50μm, CW 500W, Converge Light≥100μm, CW
Parfocal Tolerance	±0.5mm
Defocus Range	-10 mm ~ +5 mm, Based on the parfocal distance of 96 mm for calculation.
Laser incident direction	Vertical
Operation time	≤1min@500W ≤3min@300W Continuous operation@200W
Attenuation	short infrared band: OD1/OD2/OD3/OD4.5 (1030-1080nm)
Data Interface	USB3.0
Trigger	Yes
Cooling mode	Air cooling; Water cooling: flow rate at 10 L/min, water temperature range20~25°C, Cooled quantity of 0.5~1 KW, head from 10~25 m
Environment	Temperature: 15~25°C, Relative humidity<60%
Software	Operation system: Windows 10/11, 64-bit, pre-installed MS Office or WPS. Hardware: ≥8G RAM, CPU i5 or above(≥2.5GHz, core ≥4, recommended display resolution 1920*1080.
Weight	< 1.5kg

Note: ①.After replacing certain components related to windows, it is possible to expand the operational range.

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

CN0310NIR-W500

