

### Beam Profiler



Features:

Spectral range: 190-1100nm

Beam diameter: 35 $\mu$ m~10.4mm

Maximum power to 50W

PC software

### SPECIFICATIONS

Product Name	CN0310UV-M
Spectral Range (nm)	190-1100nm
Sensor Size (mm)	14.1mm*10.4mm
Minimum Beam Diameter	35 $\mu$ m
Maximum Beam Diameter	10.4mm
Maximum Acceptance Angle	Collimated: $\pm 2.5^\circ$ Focused: NA 0.08
Minimum power	1mW
Maximum Power	50W
Detection Time	50W/2 mins
Parfocal Tolerance	0.05mm
Defocusing Measurement Range	$\pm 5$ mm, calculated based on the parfocal distance of 95mm
Attenuator	OD0.0~4.5 (optional)
Communication Interface	USB3.0
External Triggering	Available
Operating Environment	Temperature < 0~35 $^\circ$ C: Relative humidity < 60%; Pointing test temperature: 15-25 $^\circ$ C
Operating System	Windows 10/11, Optimum resolution: 1920*1080
Weight	< 1Kg
Incoming Light Direction	Incoming light direction
Warranty	1 year

### CN0310UV-M

Technical drawing of the CN0310UV-M beam profiler showing various components and dimensions. Labels include: 镜头 (Lens), 衰减器 (Attenuator), 插槽衰减一 (Slot Attenuator 1), 插槽衰减二 (Slot Attenuator 2), 镜头盖 (Lens Cap), 校准螺钉 (Calibration Screw), 校准旋钮 (Calibration Knob), 指示灯 (Indicator Light), 1/0 (1/0), 粗调 (Coarse Adjustment), 微调 (Fine Adjustment), 底座 (Base), 底座孔 (Base Hole), 底座孔直径 (Base Hole Diameter), 底座孔间距 (Base Hole Spacing), 底座孔位置 (Base Hole Position).

Software interface showing beam profile analysis results. The main window displays a 2D intensity map of a beam profile with a color scale. Below it, there are several smaller windows showing different views: a 3D surface plot, a line graph of intensity vs. position, and a data table with columns for various parameters like intensity, position, and error. The data table includes values for parameters such as 中心位置 (Center Position), 中心位置误差 (Center Position Error), 中心位置标准差 (Center Position Standard Deviation), etc.