

CN0615VIS-NIR-M

Medium-power series | Beam profiler

CN0615VIS-NIR-M medium-power series beam profiler. Spectral range: 340-1100 nm/ 1100-1350 nm. Beam-spot range: 32 μm to 15 mm; TEM00 limit: 11 mm. Check power, attenuation and interface conditions for the selected configuration.

Configuration confirmation required. Read the identification and specification notes on the following pages.

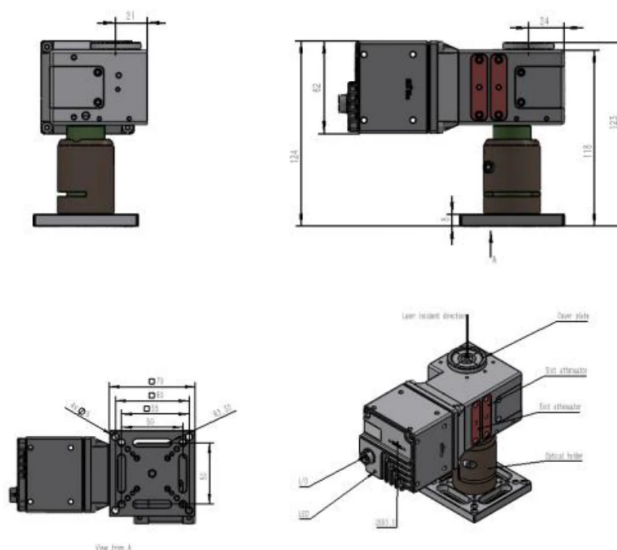


Model specifications	Specification
Model	CN0615VIS-NIR-M
Spectral Range	340-1100 nm/ 1100-1350 nm
Sensor size	21.1 mm*15.8 mm
Min. beam diameter	32 μm [1]
Max. beam diameter	15 mm [2]
Max. receiving angle	Collimated Light: $\pm 2.5^\circ$ Converge Light:: NA0.08
Min. Power	1 mW
Max. Power	50 W
Max. energy density	20J/cm ²
Detection Time	≤ 2 minutes @ 50 W
Defocus Range	0.05 mm
Laser incident direction	Vertical, other direction on request.
Attenuator	OD0/OD1/OD2/OD3/OD4(340-1100 nm) OD1/OD2/OD3(1100-1350 nm)
Interface	USB3.0
External Trigger	Yes
Operating Environment	Temperature: 0-35°C [3] , Relative humidity<60%
Operational Conditions	Operating system: Windows 10/11, 64-bit, pre-installed MS Office or WPS. Hardware: ≥ 8 G RAM, CPU I5 or above (≥ 2.5 GHz, Core ≥ 4), recommended display resolution is 1920*1080.
Weight	<1 Kg

Positioning and exposure control	Specification
X-axis maximum travel	13 mm
Exposure and gain control	Manual / automatic real-time exposure and gain adjustment

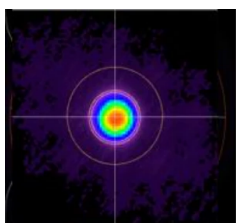
CN0615VIS-NIR-M

Mechanical outline and measurement conditions

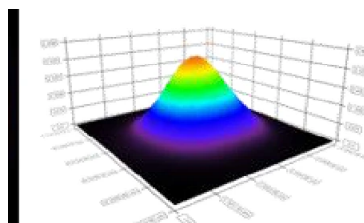


Mechanical outline | Dimensions in mm

Beam-analysis examples



Two-dimensional intensity map



Three-dimensional beam profile

Illustrative software output, not a test result for this unit. Available functions depend on the selected hardware and software.

Measurement conditions and configuration notes

[1] The light spot is used under the small spot profile. [2] For a TEM00 mode beam with central incidence, the spot size is 11 mm. [3] This refers to the operating temperature; if directional testing is involved, the temperature shall be controlled at 15-25°C..

The model document repeats the spectral-range label without a numeric value. The range shown here follows the overview and listed attenuation bands; confirm the spectral configuration.

Read total power, power density and pulse-energy-density limits with the specified attenuation, wavelength, spot size, cooling and detection time. A maximum power figure does not apply to every beam configuration.

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Specification review: 24 October 2026. Confirm the selected optical, attenuation and cooling configuration with your quotation. Include wavelength, spot size, pulse conditions, power, cooling and required analysis.