Features

- Spectral Detection Range: 190~1100nm
- Beam Spot Measurement Range: 34.5μm~7.1mm
- Maximum Power Handling: 1W
- PC Host Software, Large Beam Spot Detection via Image Stitching, and Multi-Spot Simultaneous Monitoring

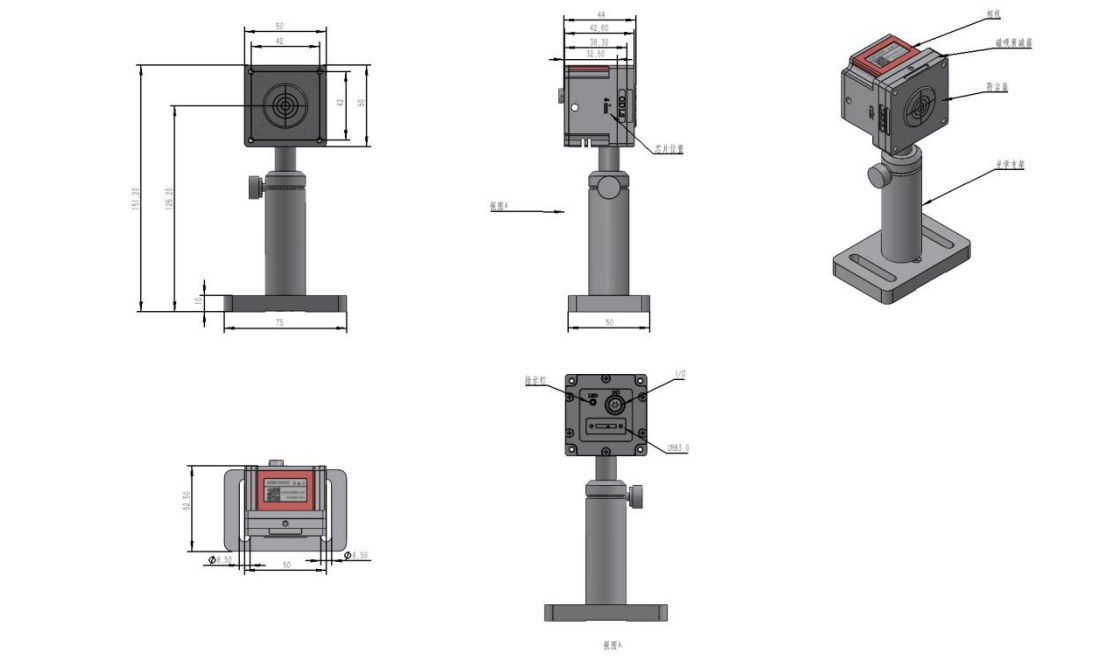
Model	CD0307UV-B
Spectral range	190~340nm, 340~1100nm
Dynamic Range	73.9dB
Lowest effective response①	1.52μW/cm^2@266nm **Excellent UV Responsivity** 0.0965μW/cm^2@633nm 0.434μW/cm^2@1064nm
Sensor Size	8.4*7.1mm
Resolution	2448*2048
Min. sensor position	6mm
Sensor Pixel Size	3.45μm
Exposure Time	0.05ms~500ms
Shutter	Global Shutter
Beam Spot Detection Range	34.5μm~7.1mm
Max. Power Density (Damage Threshold)	50W/cm^2（with OD3.0 attenuation）
Max. energy density	1J/cm^2（with OD3.0 attenuation）
Max. power	1W
Attenuator	OD1.0D/OD20.D/OD3.0D（190~340nm） OD0.5/OD1/OD2/OD3（340-1100nm）
Data interface	USB3.0
Calculating frame rate	5~10fps②
Trigger	Yes
Structure Type	Back interface, compatible with C-port thread
Dimension	See the outline
Operating Environment	Temperature: 0~35℃③, relative humidity<60%
Operational Conditions	Operating system: Windows 10/11, 64-bit, pre-installed MS Office or WPS. Hardware: ≥8G RAM, CPU I5 above (≥2.5GHz, Core ≥4), recommended display resolution is 1920*1080.
Weight	< 500g

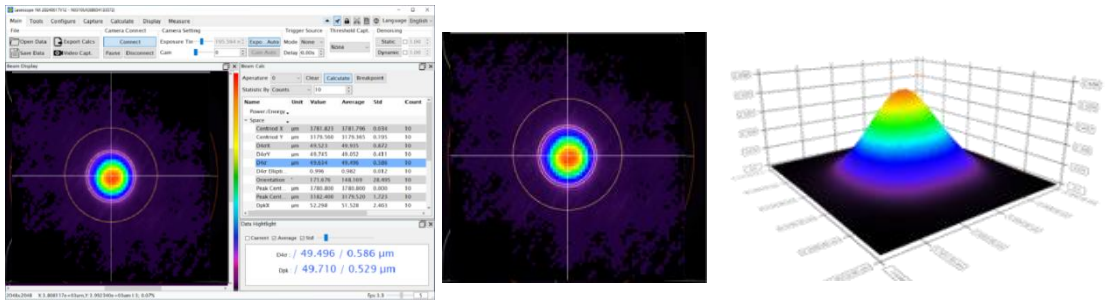
Attention:①The described parameter indicates the lowest effective response when the exposure time is set to 100 milliseconds.

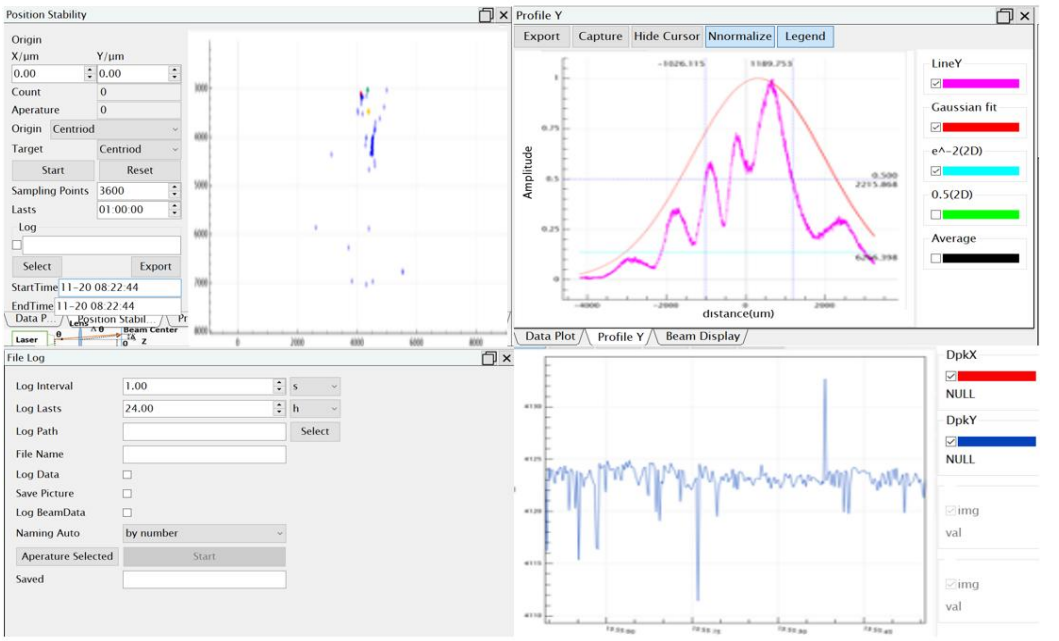
②The parameter mentioned is the calculating frame rate at a resolution of 5,000,000 pixels.

③It is the working temperature, if it involves directivity test, the temperature should be controlled at 15-25°C.

CD0307UV-B




49.496 / 0.586 µm
49.710 / 0.529 µm


Position Stability
Origin
X/µm
Y/µm
0.00
0.00
Count
0
Aperature
0
Origin
Centriod
Target
Centriod
Start
Reset
Sampling Points
3600
Lasts
01:00:00
Log
Select
Export
StartTime 11-20 08:22:44
EndTime 11-20 08:22:44
Profile Y
Export
Capture
Hide Cursor
Nnormalize
Legend
Amplitude
distance(um)
LineY
Gaussian fit
e^-2(2D)
0.5(2D)
Average
Data Plot
Profile Y
Beam Display
File Log
Log Interval
1.00
s
Log Lasts
24.00
h
Log Path
Select
File Name
Log Data
Save Picture
Log BeamData
Naming Auto
by number
Aperature Selected
Start
Saved
DpkX
NULL
DpkY
NULL
img
val
img
val