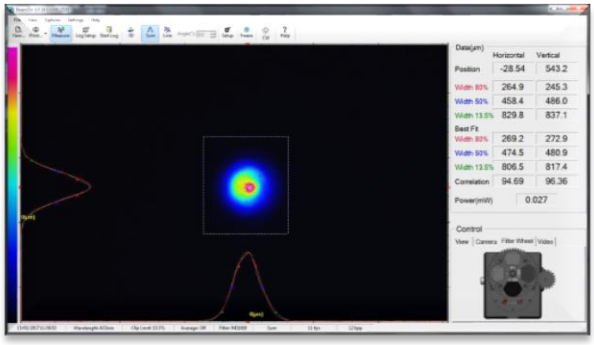
BeamOn U3

Innovative Beam Profiler (1/1.2”) with integrated filter wheel

Main Features:

- High resolution (2.35 MegaPixel) having 12 bit dynamic range
- Versatile – Measures Profile, Power and Position
- Complete test station with built-in Filter Wheel and full set of accessories including high power beam sampler
- Portable – based on USB 3.0
- Motorized filter wheel controlled by software



Main Specifications:

New advances in software and the introduction of the USB 3.0 camera, offering 40 frames per second at 2.35 MP

Spectral Response	350 – 1600 nm (VIS NIR)
Sensor Active Area (mm)	11.34 x 7.13
Gain Control	1 -24 dB
Dynamic Range	60 dB not including filters
Shutter Speed	39 µsec to 20 sec
Beam Size	Down to 75 microns, @ min. beam size- power restrictions
Built-in Automatic Filter Wheel with 3 Filters:	-Unpopulated -ND8 -ND200 -ND1000
Accessories	-SAM3-C -Reducer -C-Mount Filter

Resolution (H x V pixels)	1920 x 1200
Pixel Size	5.86 µm x 5.86 µm
Frame Rate	> 25 fps (AOI)
Interface	USB 3.0
Pixel Bit Depth	12 bits
Synchronization	•Software •Hardware (external trigger signal)
Exposure Control	Programmable via GUI
Housing Size (L x W x H) in mm	64 x 46 x 73.5
Power Requirements	~2 Watt (Via USB 3.0 interface)
Weight (typical)	300 gr.
Mounting	2 concentric opposite 8-32 UNC 6 mm depth at the detector plane

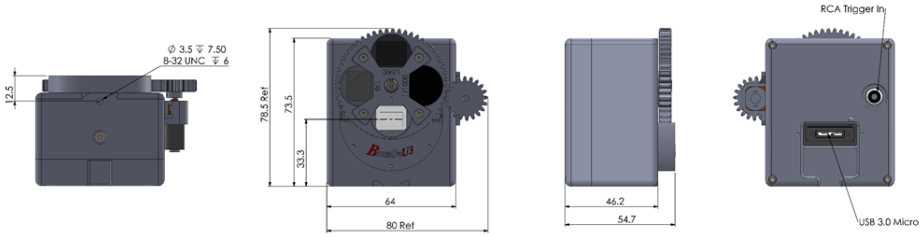
Wavelength	633	980	1310	1550
Saturation	20 µW/mm²	100 µW/mm²	0.2 W/mm²	2 W/mm²
Sensitivity	Better than 1 nanoW/mm²	Better than 1 nanoW/mm²	20 µW/mm²	200 µW/mm²

Ordering Information:

Model BeamOn U3- VIS NIR: A camera for 350 – 1600 nm with motorized built-in filter wheel, USB3.0 cable, application software on CD/Disk on key, carrying case.

SAM3-C: Attachment for high power lasers attenuation (up to 20 W)

RDC: Attachment for beam reducer (ratio 2x1)



Dimensions are in mm.

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