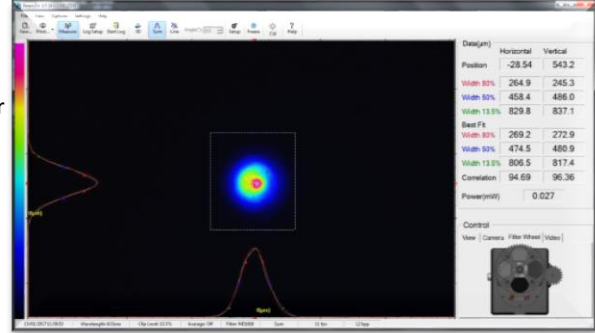


BeamOn U3

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)	Resolution (H x V pixels)	1920 x 1200
Sensor Active Area (mm)	11.34 x 7.13	Pixel Size	5.86 μ m x 5.86 μ m
Gain Control	1 -24 dB	Frame Rate	> 25 fps (AOI)
Dynamic Range	60 dB not including filters	Interface	USB 3.0
Shutter Speed	39 μ sec to 20 sec	Pixel Bit Depth	12 bits
Beam Size	Down to 75 microns, @ min. beam size- power restrictions	Synchronization	•Software •Hardware (external trigger signal)
Built-in Automatic Filter Wheel with 3 Filters:	-Unpopulated -ND8 -ND200 -ND1000	Exposure Control	Programmable via GUI
Accessories	-SAM3-C -Reducer -C-Mount Filter	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

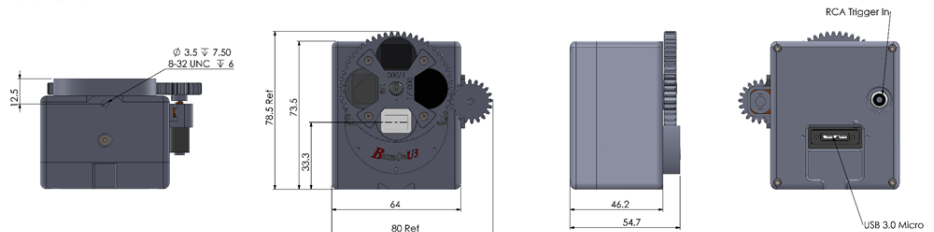
Wavelength	633	980	1310	1550
Saturation	20 μ W/mm ²	100 μ W/mm ²	0.2 W/mm ²	2 W/mm ²
Sensitivity	Better than 1 nanoW/mm ²	Better than 1 nanoW/mm ²	20 μ W/mm ²	200 μ W/mm ²

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.

DUMA OPTRONICS LTD.