

BeamOn U3

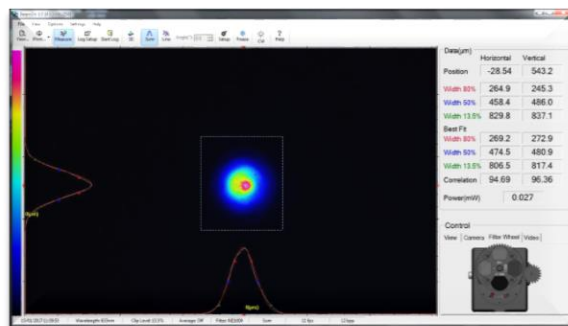


Innovative Beam Profiler (1/1.2")

40 Hz

High resolution
(2.35 MPixel)
12 bit dynamic
range

USB 3.0



Complete test station with built-in motorized Filter Wheel and full set of accessories

Specifications

Laser Type	CW & Pulsed
Beam width resolution	1 micron or better
Resolution (H x V pixels)	1920 x 1200
Beam Size	ø75 µm - ø6 mm
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, 12 bit
Shutter Speed	39 µsec to 20 sec
Frame Rate	40 fps (8 bit)
Pixel Size	5.86 µm x 5.86 µm
Pixel Bit Depth	12 bits
Synchronization	•Software •Hardware (external trigger signal)

Versatile – Measures Profile, Power and Position

Exposure Control	Programmable via GUI
Accessories	-IR Edge Filter -SAM3-C -RDC -C-Mount Filter
Power Requirements	~2 Watt (Via USB 3.0 interface)
Housing Size (L x W x H) in mm	64 x 46 x 73.5
Weight (typical)	300 gr.
Min. Hardware Requirements	CPU i3 1.6 GHz, 4 GB RAM
Interface	USB 3.0, windows 7/8/10 (32 & 64 bit)
Mechanical Interface	Post mounting: 2 concentric opposite 8-32 UNC 6 mm depth at the detector plane Optical attachments & filters: C-mount

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

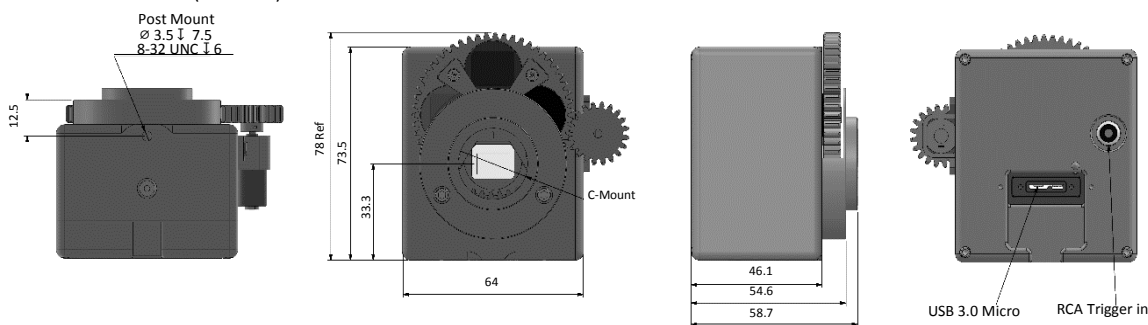
Ordering Information

Model BeamOn U3- VIS NIR: A camera for 350 – 1600 nm with motorized built-in filter wheel, USB3.0 cable, application software on CD/Flash Disk mounting post, 35 mm hood for ambient light obstruction, carrying case.

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

IR-Edge Filter: C-mount filter for IR Edge.

RDC: Attachment for beam reducer (ratio 2x1)



Dimensions are in mm.

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