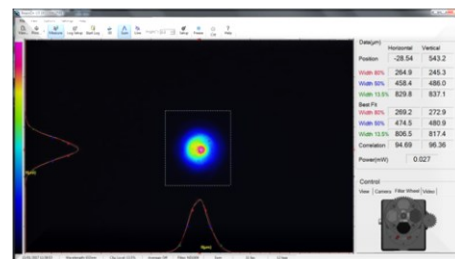


BeamOn U3 (26)



Innovative Beam Profiler
(2/3") USB 3.0



High resolution (5 MPixel) 12 bit dynamic range

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

Multiple active areas for multi beam analysis

Versatile – Measures **Profile, Power and Position**

Specifications

Laser Type	CW & Pulsed	Synchronization	•Software •Hardware (external trigger signal)
Beam width resolution	1 micron or better	Exposure Control	Programmable via GUI
Resolution (H x V pixels)	2464 x 2056 (Sony CMOS chip mono IMX264LLR)	Accessories	-IR Edge Filter -SAM3-C -RDC -C-Mount Filter
Beam Size	ø20 µm - ø7 mm	Power Requirements	~2 Watt (Via USB 3.0 interface)
Spectral Response	350 – 1100 nm (VIS NIR)	Housing Size (L x W x H) in mm	64 x 46 x 73.5 (not including filter wheel & external connectors)
Sensor Active Area (mm)	8.5 x 7, sensor can be divided into multiple active areas, working in parallel for up to 400 sectors (NEW)	Weight (typical)	300 gr.
Gain Control	1 -24 dB	Min. Hardware Requirements	CPU i3 1.6 GHz, 4 GB RAM
Dynamic Range	12 bit	Interface	USB 3.0, windows 10/11 (32 & 64 bit)
Pixel Size	3.45 µm x 3.45 µm	Mechanical Interface	Post mounting: 2 concentric opposite 8-32 UNC 6 mm depth at the detector plane Optical attachments & filters: C-mount
Pixel Bit Depth	12 bits	Built-in Automatic filter wheel	With mounted filters: ND8, ND200, ND1000, one unpopulated.
Beam width accuracy	±1.5%		
Power Range	Up to at least 1W		
Shutter Technology	Global		

Ordering Information

Model BeamOn U3- VIS NIR (26): A camera for 350 – 1100 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)

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