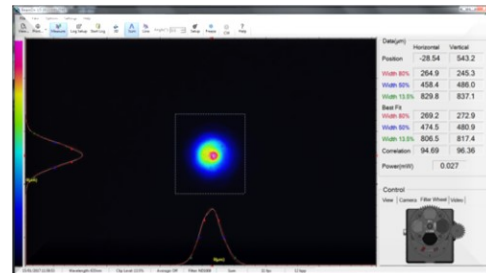


# BeamOn U3



Innovative Beam Profiler  
(1/1.2") USB 3.0



High resolution (2.35 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

## Specifications

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

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)	1920 x 1200	Accessories	-IR Edge Filter -SAM3-C -RDC -C-Mount Filter		
Beam Size	ø75 µm - ø6 mm		Power Requirements ~2 Watt (Via USB 3.0 interface)		
Spectral Response	350 – 1600 nm (VIS NIR)		Housing Size (L x W x H) in mm 64 x 46 x 73.5		
Sensor Active Area (mm)	11.34 x 7.13, 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	60 dB, 12 bit	Interface	USB 3.0, windows 7/8/10 (32 & 64 bit)		
Shutter Speed	39 µsec to 20 sec	Mechanical Interface	Post mounting: 2 concentric opposite 8-32 UNC 6 mm depth at the detector plane Optical attachments & filters: C-mount		
Frame Rate	40 fps – up to 550 fps @ fast mode (NEW)		Built-in Automatic filter wheel	With mounted filters: ND8, ND200, ND1000, one unpopulated.	
Pixel Size	5.86 µm x 5.86 µm				
Pixel Bit Depth	12 bits				
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	200 µW/mm²	2 mW/mm²	

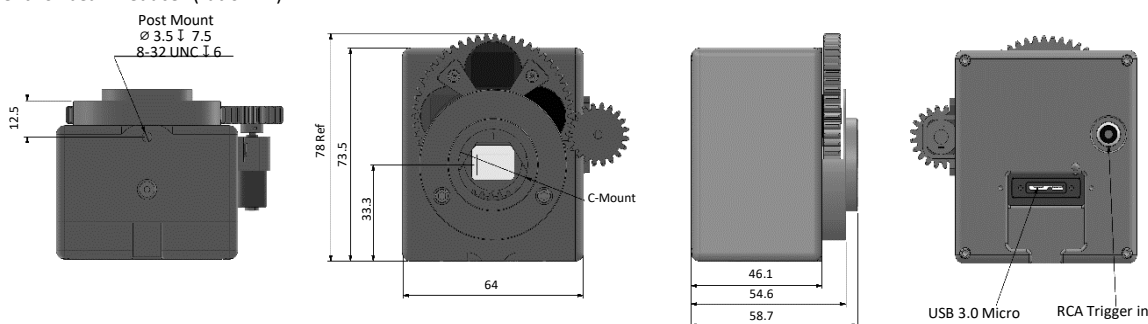
## Ordering Information

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