

Beam Analyzer IR10

NEW

Features

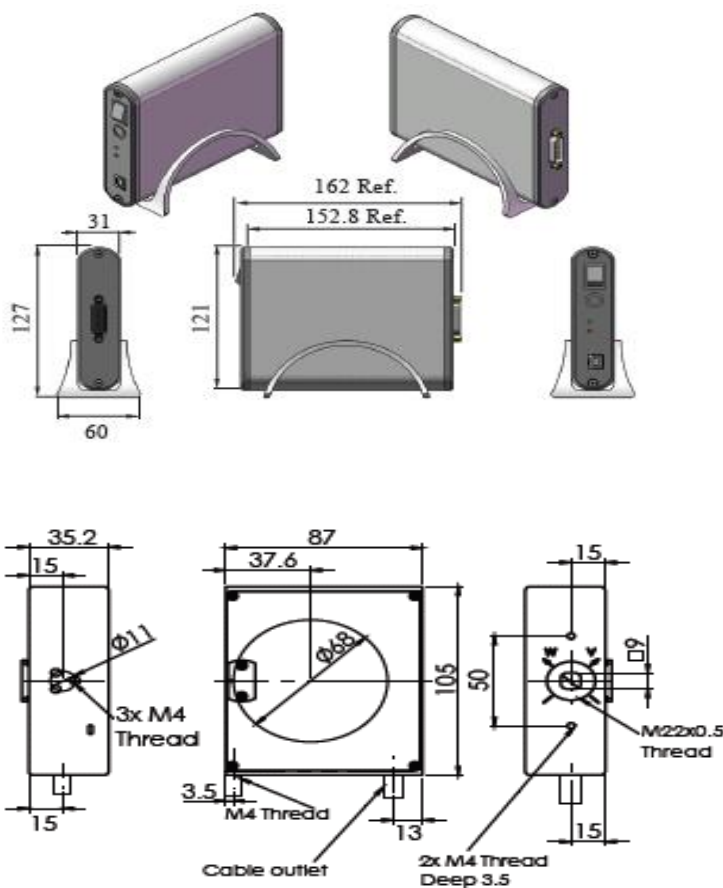
-Beam Analyzer USB system based on 10 mm dia. InGaAs sensor.

-BA7 InGaAs is a bridging technology offering high resolution measurements, producing 3-D intensity reconstructed profile similar to images obtained from C-MOS camera.

-Device belonging to [Beam Analyzer USB](#) family.

Specifications

Laser Type	CW
Beam width resolution	For beams > 100 μm in size: 1 μm . For beams < 100 μm in size: 0.1 μm
Beam Size	$\varnothing 15 \mu\text{m} - \varnothing 9 \text{mm}$
Spectral Response	IR: 800-1800 nm
Sensor Active Area (mm)	$\varnothing 10$
Number of Blades	7
Gain Control	Automatic
Frame Rate	5 fps
Power range @900/1070 nm	10 μW to 5 mW (no filters)
Sensor type	InGaAs (IR)
Beam width accuracy	$\pm 2\%$
Power accuracy	$\pm 10\%$
Position resolution	1 μm
Pixel Size	Adaptive according to beam size
Pixel Bit Depth	12 bits
Background Subtraction	Automatic
Accessories	SAM3-B Beam Sampler: with mounting adapter. Sampling reduction factor 0.0016 average BA-Fiber: A fiber adapter with an FC connector
Power Requirements	~ 2.5 Watt (Via USB 2.0 interface)
Dimensions (L x W x H) in mm	105 x 87 x 35 (Head)
Weight (typical)	Sensor head with cable - 755 gr, manifold box 350 gr
Min. Hardware Requirements	CPU i3 1.6 GHz, 4 GB RAM
Interface	USB 2.0, Windows 7/8/10 (32 & 64 bit)
Operating Temperature	0° - 35° C



Ordering Information

Model BA7-IR10-USB: A camera for 800 – 1800 nm, a set of interchangeable filters NG4 & NG9, USB2.0 cable, software and user manual on CD/Flash Disc, carrying case.
For high power application, order SAM3-B Beam Sampler.

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January 2020