

BeamOn X High Power

NEW

Expanding your profiling capabilities



- Built-in air-cooled sampler
- Industry's most cost-effective device
- Beam measurements down to 60 microns
- Measures accurate position and profile

Specifications

Beam size range	ø60 µm - ø5 mm
Spectral Response	350 - 1310 nm
Sensor Resolution	1280 x 1024 – Global Shutter
Power range @900/1070 nm	CW 1-2500 W, Pulsed 1 - 1000 W
Maximum power density	100,000 W/cm ²
Dynamic Range	70 dB, 10 bit
Saturation	~1mW/cm ² , no filters
Power measuring	With user's pre-calibration at a selected point
Dimensions	ø63 mm x 92 mm deep
Environment Operating Temperature	0° – 35° C
Weight	350 gr with cable

Interface	USB 3.0
Power from back side of Beam Sampler	90% of input power. The Beam Sampler directs only a small portion of laser power for detector measurements. Most of the power exists according to drawing.
Cooling Conditions	Pressurized air of 6-8 Bar
Sensor type	1/1.8" format
Sensor active area	6.78 (w) x 5.4 (h) mm (diagonal 8.7 mm)
Pixel size	5.3 µm (H) x 5.3 µm (V)
Shutter speed	9 – 200,000 µsec
Maximum frame rate	Over 50 Hz
Null	In CW mode, null function is available to automatically subtract background
Operation with pulsed lasers	Ability to capture and replay pictures and statistics from a slowly pulsing laser (1-100 Hz) while filtering out frames with no laser pulse. Gain control and external filters make it easy to obtain optimum intensity
Trigger	<ul style="list-style-type: none">- Hardware Falling Edge- Hardware Rising Edge- Enable/Disable Trigger Delay- Trigger Delay 0.015ms - 4.0 sec

Ordering Information

Model BEAMON-X-HP: Complete system with a built-in beam sampler, pressurized air-cooling, camera, post, software on CD/Flash Drive, carrying case.

Host Computer Requirements

Win 7/8/10 OS, Pentium I3, RAM 4GB,
USB 3.0, Min. Resolution 1366 x 766

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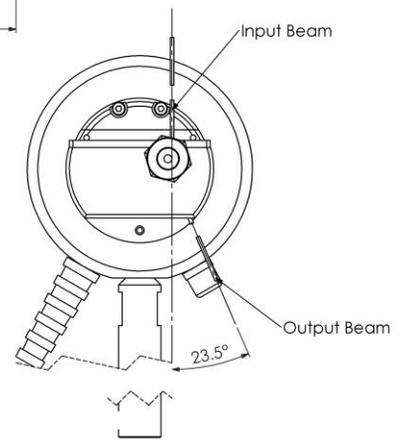
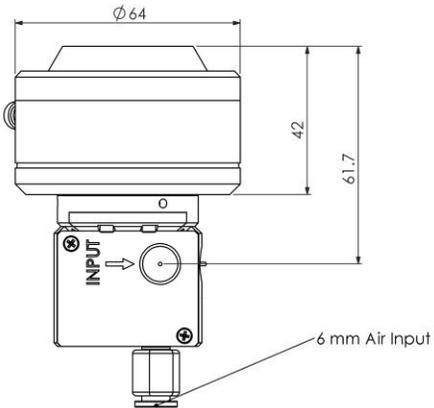
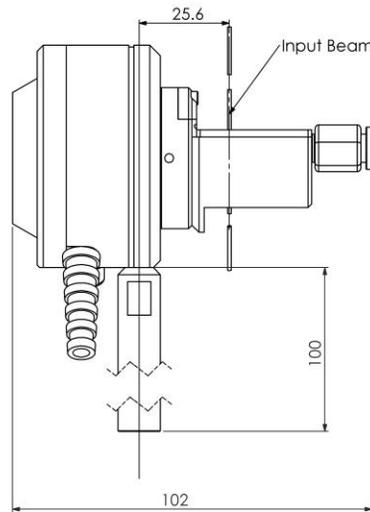
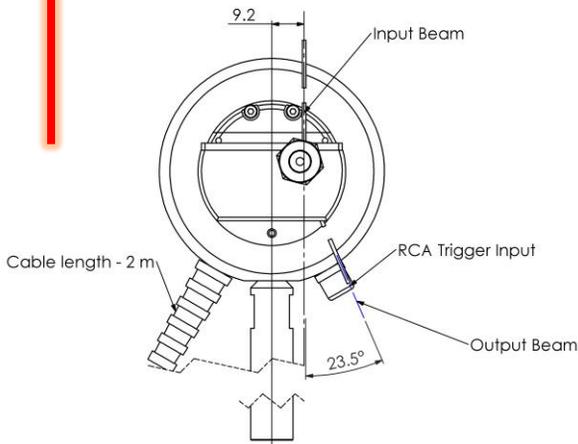
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January 2019

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Dimensions are in mm.

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