BeamPro

SWIR

The Femto Easy BeamPro takes advantage of our user-friendly software, and provides thorough analysis and statistics of your laser beam. The BeamPro software uses standard communication protocols. It is therefore easily integrable in most complex environments. Several BeamPro can be controlled from a remote screen through the network. The BeamPro *SWIR* is based on an InGaAs sensor and can therefore measure beams in the range 900 - 1700 nm. It has an integrated thermoelectric cooling to improve sensitivity in low illumination applications.

BeamPro

Key features

- Compact design
- User-friendly and powerful software
- Wavelength range : 900 - 1700 nm
- Resolution 640 x 512
- Pixel pitch : 15 µm
- C-mount

Options

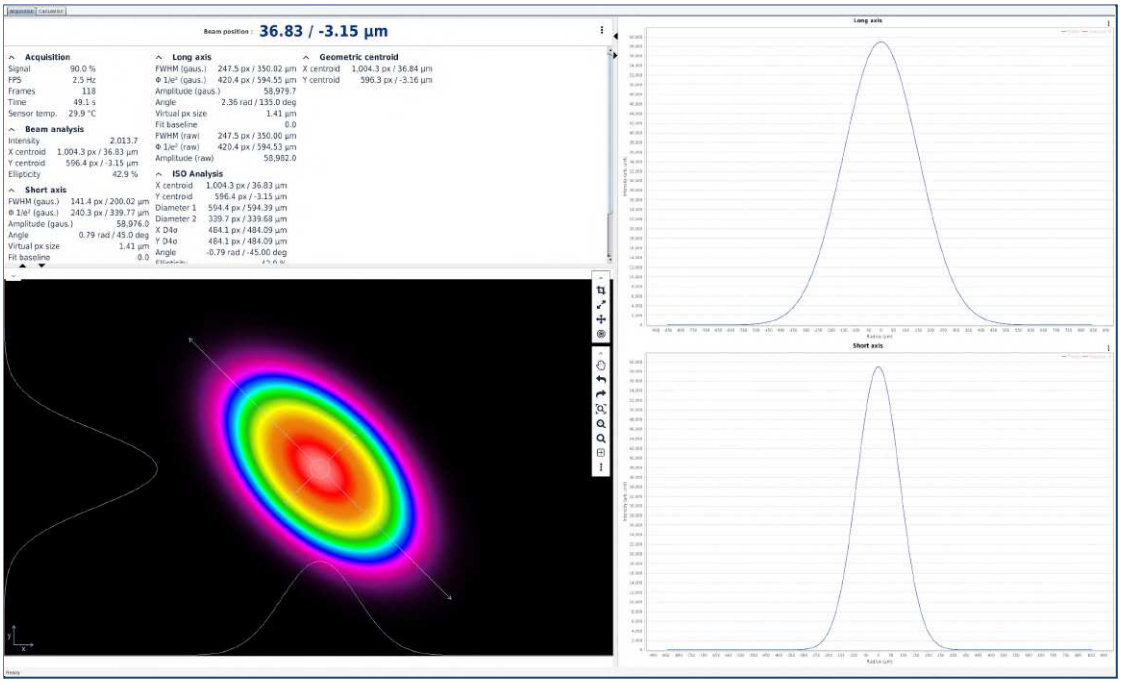
- Windowless
- Additional ND filters
- High Dynamic Range (120 dB)
- Trigger

Specifications

	BeamPro SWIR
Spectral range (nm)	900 - 1700 nm
Sensor size (mm)	9.6 x 7.7
Sensor format	1”
Resolution	640 x 512
Pixel pitch (µm)	15
Minimum beam diameter (Ø FWHM, µm)	75
Maximum acquisition frame rate (fps) [1]	230
Exposure time min (µs)	31
Exposure time max (s)	1
Dynamic (dB)	63 / 120 [2]
Sensor type	CMOS 14 Bits
PC Interface	USB 3.0
Synchronization	Yes[3]
Dimensions (mm)	46 x 46 x 57

[1] Depending on the type of calculation, frame rate may vary
[2] With HDR option
[3] With Trigger option

STAR Software



- Live extraction of beam properties
- Several parameters and methods supported (ISO calculation included)
- Enhanced background & hot pixels treatment, for optimum dynamic and signal to noise ratio
- Client / Server interface, allowing remote control through network
- All data exportable into most common formats

Singapore Main Office
Telephone: +65 6996 0391
Email: info@simtrum.com
71 Ayer Rajah Crescent,
#06-03, S139951

China Main Office
Telephone: +86 1500853620
Email: eva.yang@simtrum.cn
上海市杨浦区国康路 46 号 2 楼

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www.simtrum.com