

## 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  $\mu\text{m}$
- ◆ C-mount

### Options

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

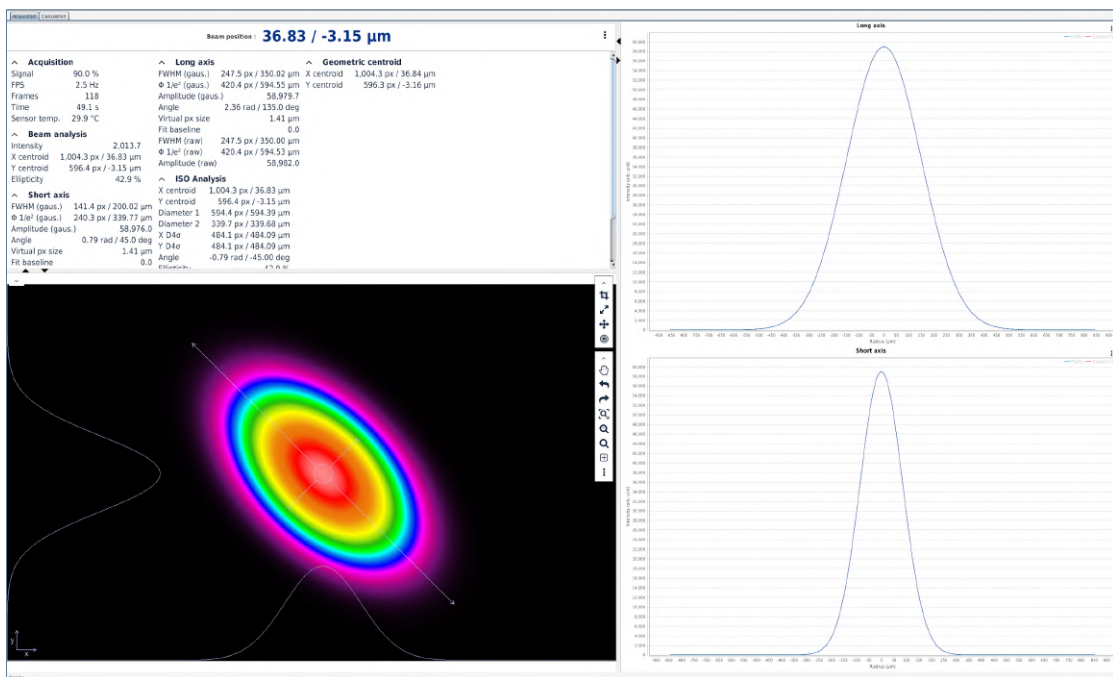
# Specifications

		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) <sup>1</sup>		230
Exposure time	min (µs)	31
	max (s)	1
Dynamic (dB)		63 / 120 <sup>2</sup>
Sensor type		CMOS 14 Bits
PC Interface		USB 3.0
Synchronization		Yes <sup>3</sup>
Dimensions (mm)		46 x 46 x 57

<sup>1</sup> Depending on the type of calculation, frame rate may vary

<sup>2</sup> With HDR option

<sup>3</sup> With Trigger option



- ◆ 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