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 a family of beam profilers 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.

Key features

- InGaAs sensor
- Wavelength range : 900 - 1700 nm
- Resolution from 320 x 256 to 1280 x 1024
- Compact design
- User-friendly and powerful software
- C-mount

Options

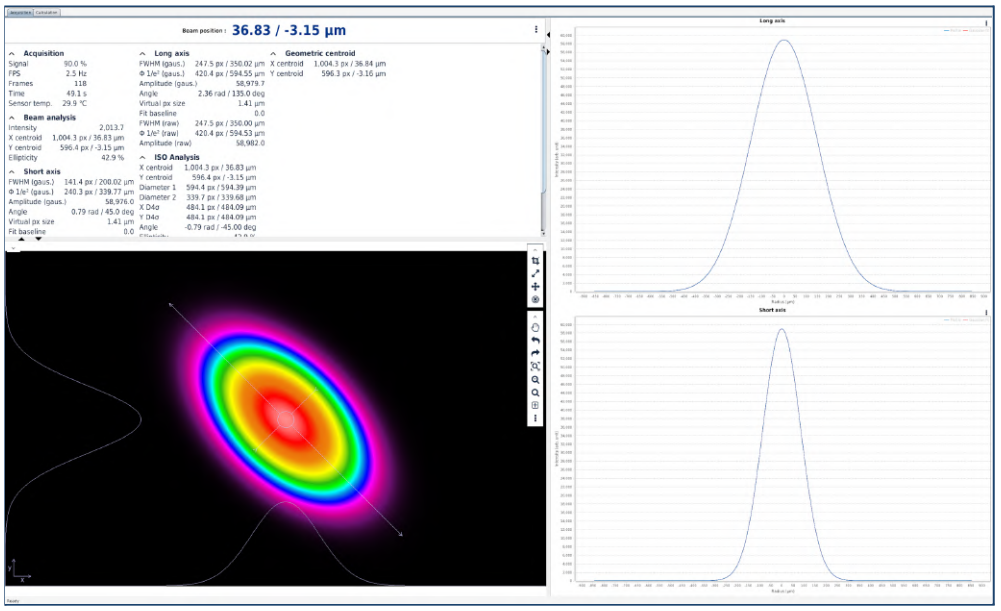
- Windowless
- Additional ND filters
- High Dynamic Range (120 dB)
- Trigger

Specifications

Models	SWIR 5.4	SWIR 10.8	SWIR 13.10	SWIR 21.17
Spectral range (nm)	900 - 1700 nm			
Sensor size (mm)	4.8 x 3.8	9.6 x 7.7	12.8 x 10.2	21 x 17
Sensor format	1/2”	1”	1”	APS-C
Resolution	320 x 256	640 x 512	1280 x 1024	640 x 512
Pixel pitch (µm)	15	15	10	33
Minimum beam diameter (Ø FWHM, µm)	75	75	50	270
Maximum acquisition frame rate (fps)[1]	1000	230	60	230
Exposure time min (µs)	10	10	10	10
Exposure time max (ms)	1000	1000	500	1000
Dynamic (dB)	63 / 120[2]	63 / 120[2]	61/120[2]	63 / 120[2]
Cooling	TEC on/off			
Sensor type	InGaAs 14 Bits			
PC Interface	USB 3.0			
Synchronization	Yes, with Trigger option			
Dimensions (mm)	46 x 46 x 53	46 x 46 x 57	58 x 58 x 70	46x46 x 57

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

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