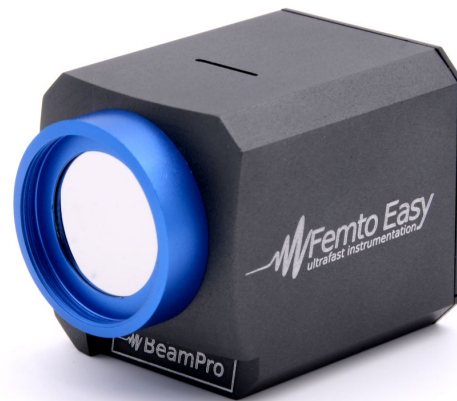


## BeamPro

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 network. They are suitable for wavelength from 190 to 1100 nm and beams as large as 25 mm. There are also high resolution models with pixels as small as 1.85  $\mu\text{m}$  for focused beam measurements.

### BeamPro



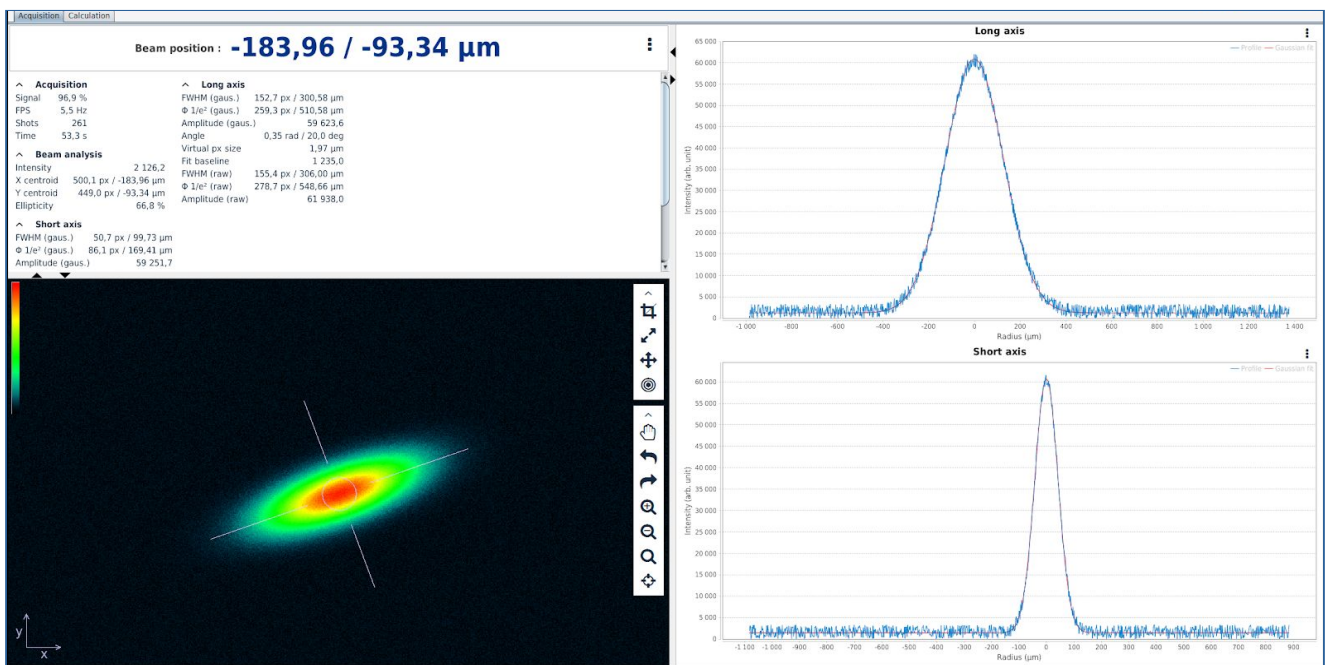
### Key features

- ◆ Compact design
- ◆ Marker indicating chip location
- ◆ Two wavelength ranges available
- ◆ Neutral Density filters available
- ◆ C-mount
- ◆ Windowless option available
- ◆ Custom versions available on request
- ◆ User-friendly and powerful software (STAR : Software Technology for Acquisition and Retrieval)

# Specifications

Models	High resolution for focused beams				Large sensor size for collimated beams					
	BP 6.4	BP 7.5	BP 7.6	BP 13.9	BP 8.7	BP 11.7	BP 11.11	BP 14.10	BP Ø25	
Spectral range (nm)	350 – 1100 190 – 1100 with UV option								350 - 1100	
Sensor size (mm)	5.6 x 4.2	7.4 x 4.9	7.4 x 5.5	13.1 x 8.7	8.5 x 7.1	11.2 x 7.0	11.2 x 11.2	13.8 x 10.3	Ø 25	
Sensor format	1/2"	1/1.8"	1/1.7"	1"	2/3"	1/1.2"	1"	1.1"	1"	
Resolution	2560 x 1920 5 Mpx	3072 x 2048 6 Mpx	4000 x 3000 12 Mpx	5472 x 3648 20 Mpx	2456 x 2054 5 Mpx	1920 x 1200 2.3 Mpx	2048 x 2048 4.2 Mpx	4096 x 3000 12.3 Mpx	2048 x 2048 4.2 Mpx	
Pixel size (µm)	2.2	2.4	1.85	2.4	3.45	5.86	5.5	3.45	12.5	
Minimum beam diameter (Ø 1/e <sup>2</sup> , µm)	18	20	15	20	28	48	45	28	102	
Maximum acquisition frame rate (fps) <sup>1</sup>	15	59	31	18	36	41	40	10	40	
Exposure time	min (µs)	31	8	10	67	27	20	40	22	40
	max (s)	2.7	30	30	30	1	3.9	0.5	30	0.5
Dynamic (dB)	60	73	70	72	73	70	58	72	58	
Sensor type	CMOS 12 Bits									
PC Interface	USB 3.1									
Synchronization	Yes									
Dimensions (mm)	36.1 x 39 x 46.1								37 x 40 x 55	

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



- ◆ 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