

## LASER BEAM PROFILER SPECIFICATION



MINI USB PORT

METAL ROBUST DESIGN

C-MOUNT FOR FILTER OR LENS APPLICATION

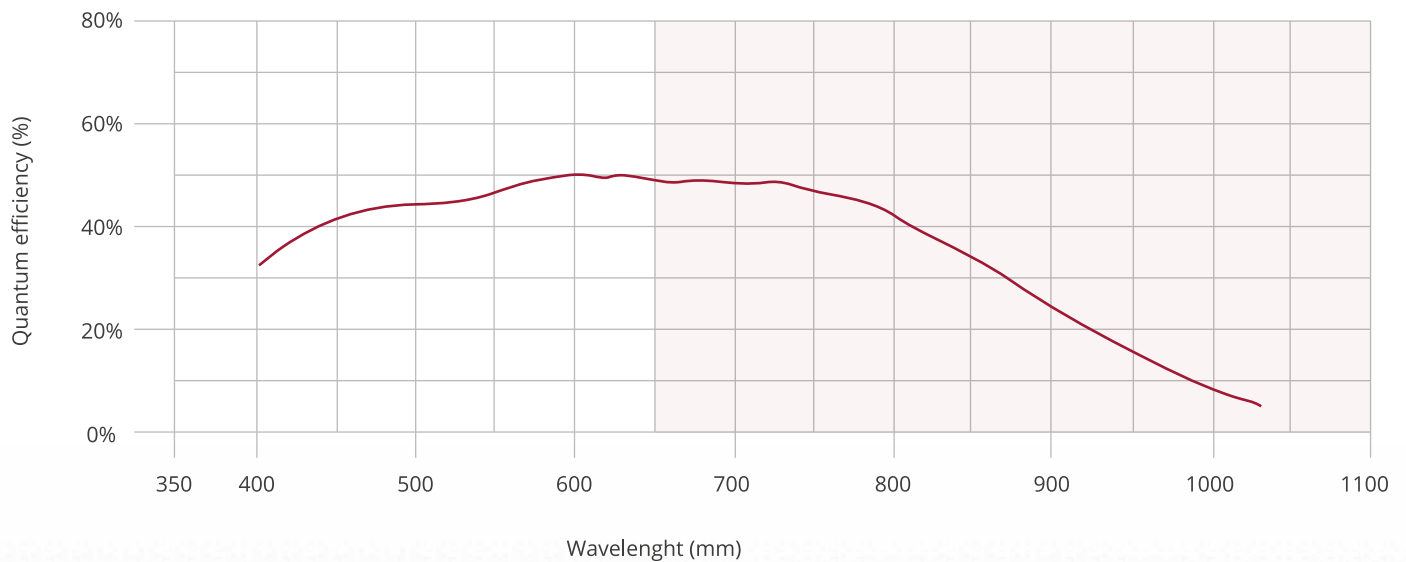
### Functional capabilities

Beam width parameters	FWHM, 1/e, 1/e <sup>2</sup> , 4σ, statistical moments up to 4th for X and Y directions independently
Fitting	Gauss and Lorentz fit for X and Y direction independently; Returning distribution parameters
Beam geometry	Astigmatic and elliptical
Metrology	3 types of cursors for manual measurement
Visualization	2D & 3D
Calculation frequency	Up to 4 Hz
FPS	1-40 range with 1 fps increment
Exposure time	0.12 – 24,62 ms with 0,03 ms increment
Gain	0-100
Parameters setup mode	Auto & manual
Operation mode	Free run
Noise correction	DNC technology (c.f. User Manual for description)
ISO standards reference	ISO 11146-1, ISO 11146-2, and ISO 11146-3
Software language	English, Polish

## Sensor & Mechanics

Sensor Technology	CMOS Mono with software lookup table to color the beam footprint
Manufacturer	Aptina
Resolution (h x v)	752 x 480 px
ADC	10 bit
Color depth (camera)	8 bit
Pixel Class	WVGA
Sensor Size	1/3"
max. fps in Freerun Mode	87.2
Pixel size	6 $\mu$ m
Optical Size	4.512 mm x 2.880 mm
Optical sensor diagonal	5.35 mm (1/2.99")
Camera housing	Metallic
Front port	C-mount
Fixing standard	M4

## Spectral sensitivity



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Product developed and manufactured in Europe