

# OpenView Series

The universal camera for  
laser beam analysis and imaging

## The largest spectral range

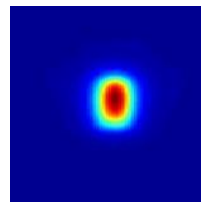
The **OpenView** is an universal camera offering the **largest spectral range from UV to THz domain**. Our technology is based on a high performance **photon to IR converter** able to convert any photon from **0,1 to 3 000 µm**.

Users select it's own spectral band of the OpenView using **optical filters in UV, Visible, IR, THz region**. And take also benefits of a large sensitivity area ( $\varnothing = 50 \text{ mm}$ ) for high-power **laser profiling and imaging**.

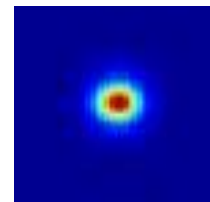


Specifications	
Spectral range	Select your own spectral range
Number of pixel	320x256      640x512
Active area (mm)	54,4 x 43,5      51,2 x 41
Spatial resolution	170 µm      80 µm
Minimum signal detection	50 µW/cm <sup>2</sup>
Damage threshold	1 W/cm <sup>2</sup>
Included Software	Vision and acquisition
Prodcuts size (mm)	90 x 90 x 200
Working temperature	Room temperature
Supply Voltage	110/220 V
Plug-in	Gigabit Ethernet

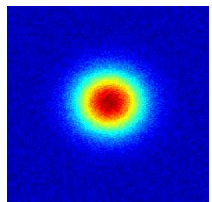
**UV Laser**  
 $\lambda = 0,2 \mu\text{m}$



**IR Laser**  
 $\lambda = 3 \mu\text{m}$



**THz Laser**  
 $\lambda = 2800 \mu\text{m}$



## Applications

**Laser beam analysis**  
(profiling,  $M^2$ , divergency, ...)

2D or 3D **multispectral imaging**

**Non destructive testing** and industrial vision  
(composit, wood, plastic, ceramics, ...)

## OpenView Series



**OpenViewUV**  
0,05 - 1 µm

**OpenViewIR**  
1,1 - 25 µm

**OpenViewTHz**  
25 - 3000 µm

**OpenViewMS**  
0,1 - 3000 µm

Vision and acquisition software included

## Key benefits

Choice of spectral range : **UV, Visible, IR, THz or multispectral (0,1 to 3000 µm)**

**Largest and uncooled** detection surface

Adapted for **all high-power lasers sources**  
(Excimer, solid state, OPA, QCL, CO2, Gunn diode, BWO, .)

**Noise reducing software**

## Accessories



OPFilter-VIS



OPFilter-THz



OPFilter-IR



OPFilter-UV

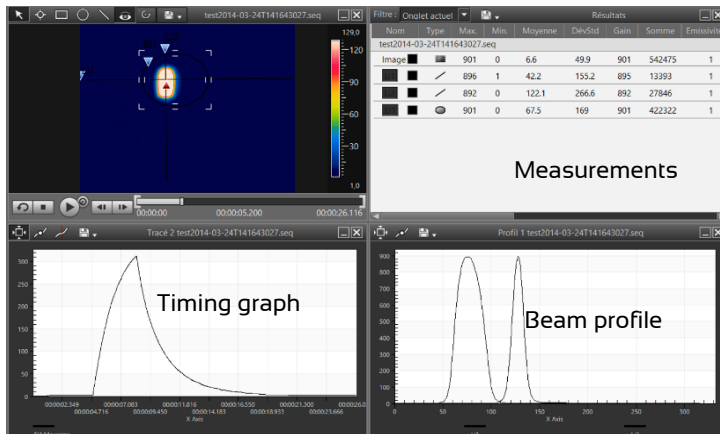
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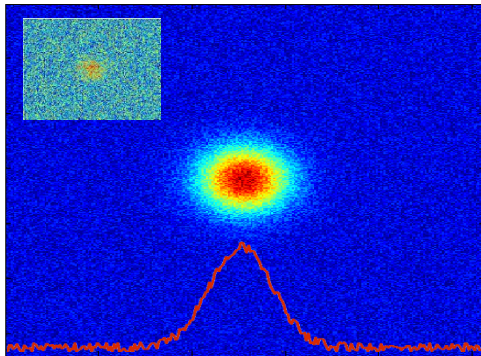
### View and characterize your beam



#### Functionnality

Real time **vision/acquisition mod**  
**Profile analysis**  
**Timing graph and measurements**

### Noise and Thermal software processing to enable low-energy

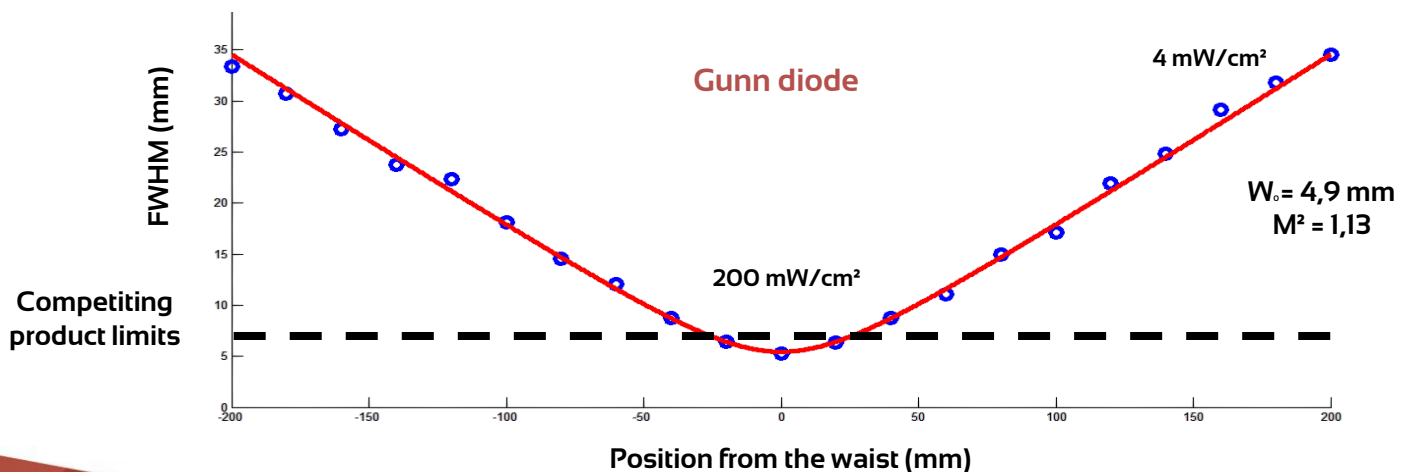


#### OPA Laser

Spectral range = 0,1 - 3 THz  
Peak energy : 1  $\mu$ J  
Beam diameter : 0,9 mm  
Pulse duration : 100 fs  
Frequency rate : 1 kHz

Increase by 10 to 100 times the  
signal to noise ratio

### Unique THz beam profiling characterization



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