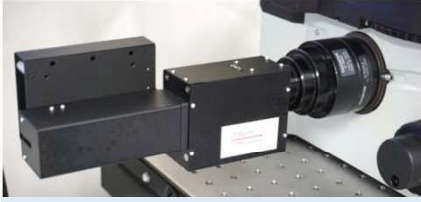


Laser illumination on your current microscope

Supported wavelength range: 340nm – 1600nm



Attaching to side camera port



Attaching to camera port
above eye-piece



Attaching to C mount lens

Attaching to stereoscope
microscope is also available

Features

1. Direct connection to camera port of microscope

- No additional attaching tool is necessary
- illumination field and point of the specimen are captured and recorded

2. Laser illumination profile control

- Illumination timing and power are controlled by PC

Application

- Optogenetics, FRAP (fluorescence recovery after photobleaching), Photostimulation, Uncaging, IR LEGO, DNA damage, UV Adhesive curing, OWPT (Optical Wireless Power Transfer), e.g.

Illumination wavelength

1. Standard CW

- wavelength: 405nm, 450nm, 488nm, 514nm, 532nm, 640nm
- Combination of 2 wavelength is possible

2. Non standard (please ask)

- 375nm, 561nm, and 1480nm CW lasers are also available.
- Applicable wavelength range: 340nm to 1600nm

Optional functions / devices

- Time lapse image capturing
- ND filter unit
- Focus / spot size control unit
- Trigger-in / trigger-out signaling

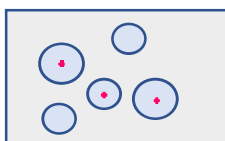
Grade up deployment

1. Pixel illuminator-C can be realized by adding beam scanning device

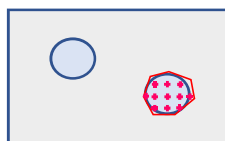
- Using devices of Pixel illuminator-Basic saves up grading cost

2. Laser manipulation control on GUI (functions of Pixel illuminator-C)

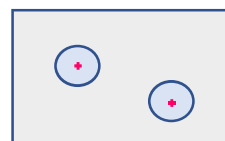
- Illumination points or illumination boundary is set by mouse clicking on the image



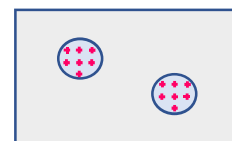
Point selection
(manual)



Area selection
(manual)



Center of bright
area (auto)



Area of bright
region (auto)

A laser and imaging company located in Kanagawa, Japan

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