

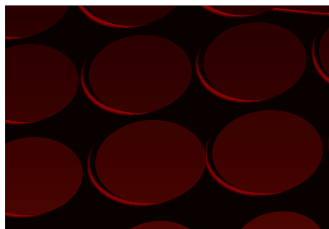
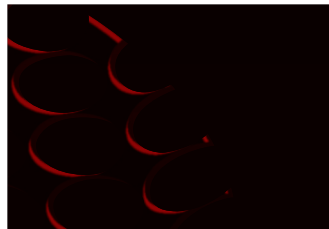
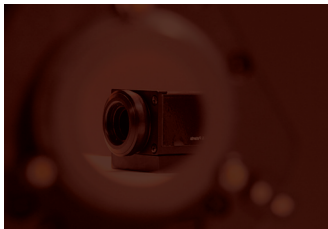
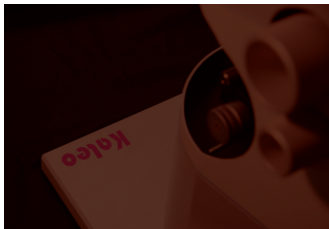
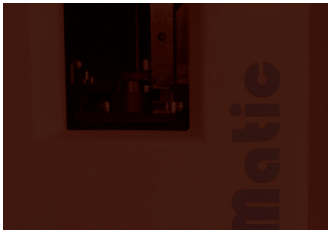
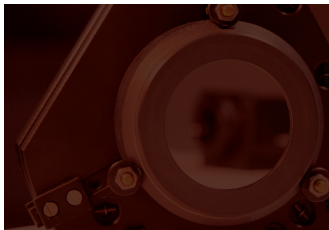
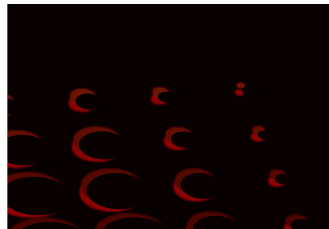
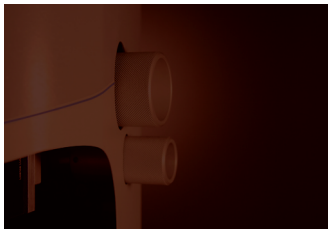
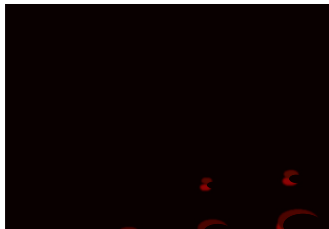


海纳光学有限公司
HIGHLIGHT OPTICS CO., LTD.

Tel: 0755-84870203 www.highlightoptics.com

E-mail: sales@highlightoptics.com

SID4 Element



SID4 Element



→ PHASICS offers access to its unique phase imaging technology through a clever **add-on** for your camera.

By working with any type of camera such as **EMCCD, ultra-fast or high sensitivity camera**, the SID4 Element makes quantitative phase imaging possible for **any phenomenon, in any environment**. This pioneering device opens the path to advanced investigations in microscopy for physics and biology.

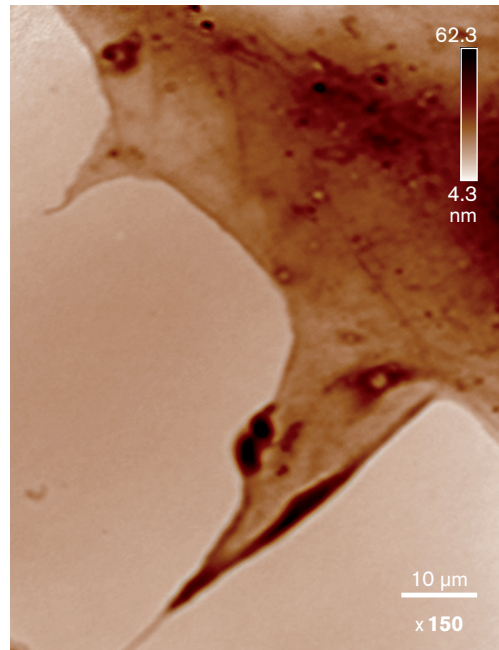
"ACCESS TO PHASE IMAGE IN ANY EXPERIMENT"

→ HIGH RESOLUTION & HIGH SENSITIVITY

Observe small specimens over a large field of view thanks to the optimized SID4 Element technology that reaches **10 μm spatial resolution**, the microscope limit.

Highly **improve the sensitivity** for living specimens by averaging multiple images acquired with an ultra-fast camera equipped with the SID4 Element.

High sensitive measurement of actin phase signature in a COS-7 cell with an ultra-fast camera equipped with a SID4 Element →*



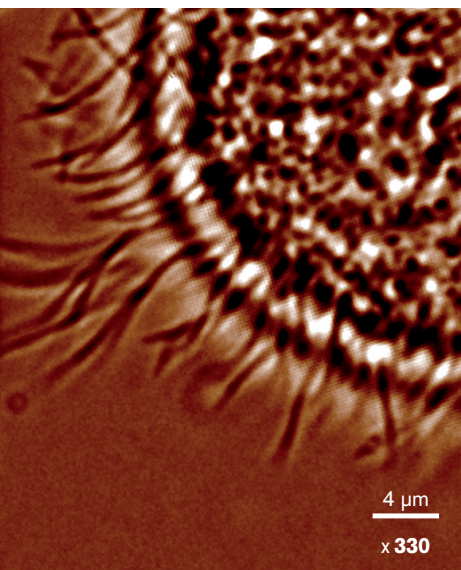
海纳光学有限公司
HIGHLIGHT OPTICS CO., LTD.



→ ADVANCED SETUP WITH ANY CAMERA

• Ultra-fast camera

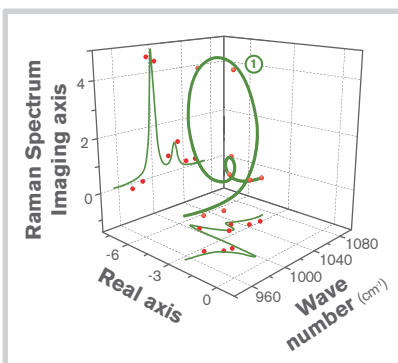
Used with an ultra-fast camera, the SID4 Element provides images of **fast phenomena**.



↑ Real time *Parametia cilia*

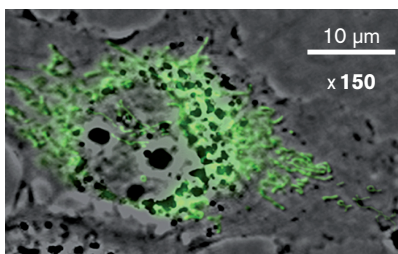
• EMCCD

Mounted on an EMCCD camera, the SID4 Element enables long duration **time lapse in ultra-low-light conditions** to minimize phototoxicity.



① CARS Electro-magnetic field

Raman Spectrum obtained by detecting the phase-shift induced by the resonance in wide-field CARS microscopy



*Quasi-simultaneous phase and fluorescence images with one unique camera**

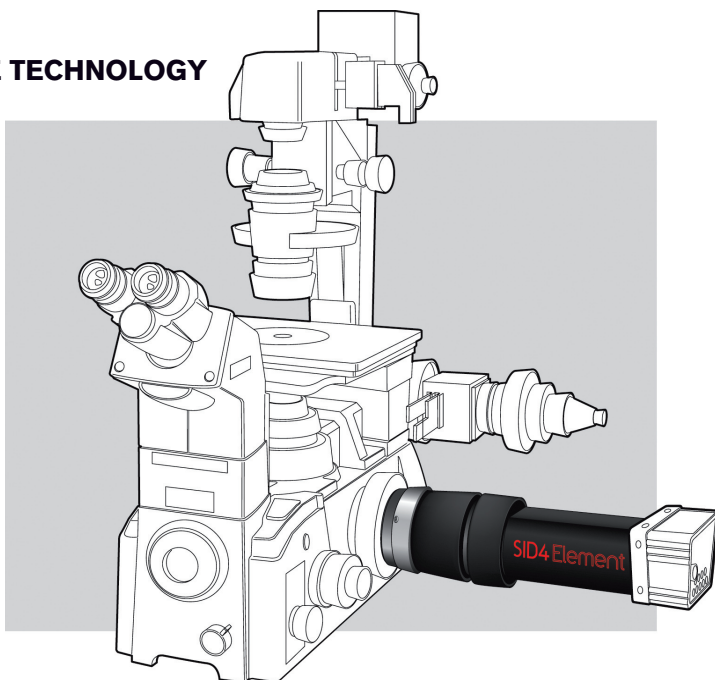
→ HIGH-END YET SIMPLE TECHNOLOGY

Integrating a **patented optical grating**, the device offers:

- **Enhanced contrast**
- **Quantitative data**
- **up to 10 μm spatial resolution**
- **up to 1000 x 1000 phase pixels**
- **below 0.1 nm phase sensitivity**

It easily plugs on to any microscope:

- **no change** in your set-up
- **multi-modality friendly**



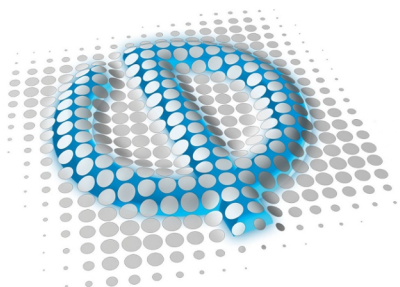


海纳光学有限公司
HIGHLIGHT OPTICS CO., LTD.

Tel: 0755-84870203

www.highlightoptics.com

E-mail: sales@highlightoptics.com



PHASICS S.A.

Bâtiment Explorer,
Espace Technologique
Route de l'Orme des Merisiers
91190 Saint Aubin
FRANCE

Tel: +33 (0)1 80 75 06 33

PHASICS CORP.

169, 11th Street
San Francisco, CA 94103
USA

Tel: +1 415 610 9741

www.phasics.fr

contact@phasics.fr