leiða TECHNOLOGIES

µLight

Gen II

leida Technologies is reinventing microscopy

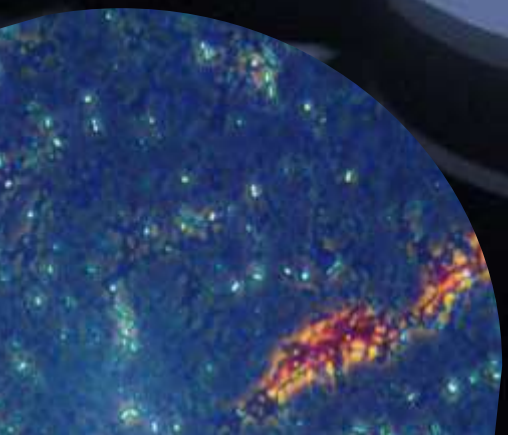
µLight

Gen II

- A transmission light source, easily installed on any microscope without modification.
- 59 pixels, individually adjustable in color and intensity, for a personalized lighting control.

- A compact controller, connected to a computer and driven by a software, allows the definition of illumination patterns.
- An infrared remote control system.

- A simple but powerful software.
- Individual control of each ring for conventional methods (brightfield, darkfield, phase contrast).
- Macro functions to program illumination sequences, specific patterns to go further on your own.
- An SDK to be in full charge with your own software.



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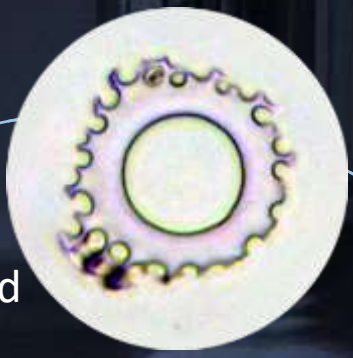
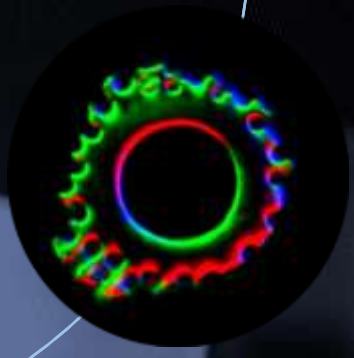
Control the light ... at the source



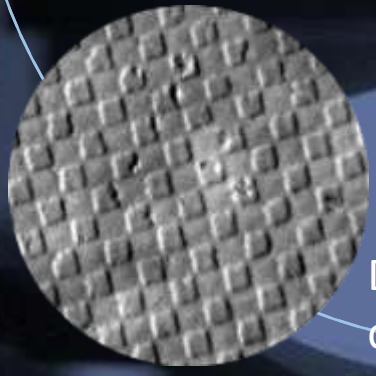
Bright field

Dark field

Phase contrast



Rheinberg



Differential phase contrast

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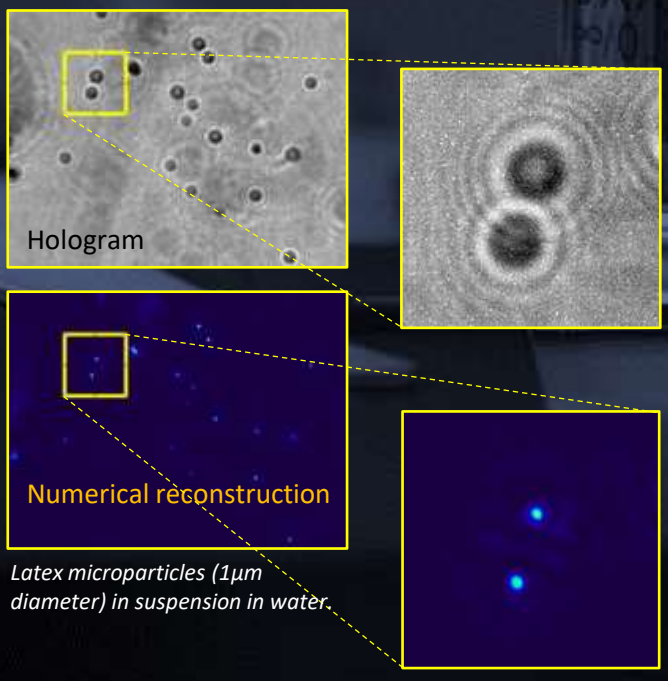
Advances microscopy techniques within your reach

Digital holography

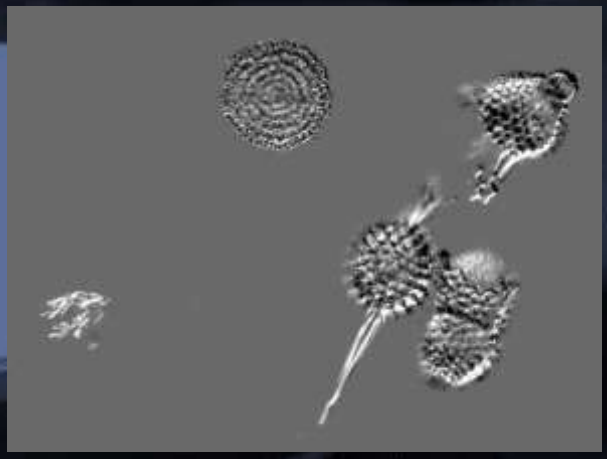


Latex microparticles (1µm diameter) in suspension in water.

- A single image to observe, count particles, bacteria cells.
- No staining needed.
- Long-term experiments without focus constraints
- Economical method, no cell counting chamber needed

Single exposure differential contrast

- SE-DPC : Single Exposure Differential Phase Contrast.
- Fast image acquisition.
- Economical alternative to DIC.
- No directional effect.



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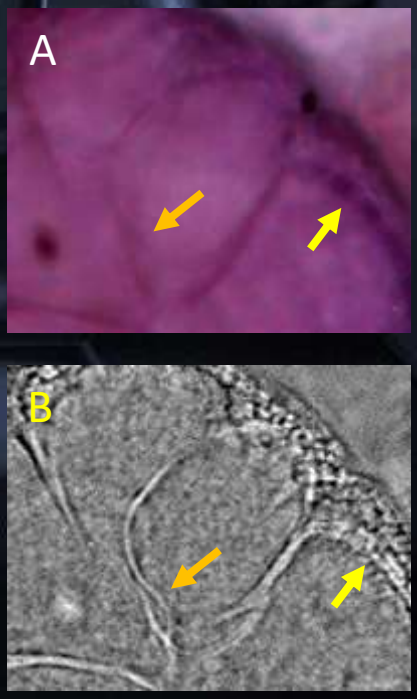
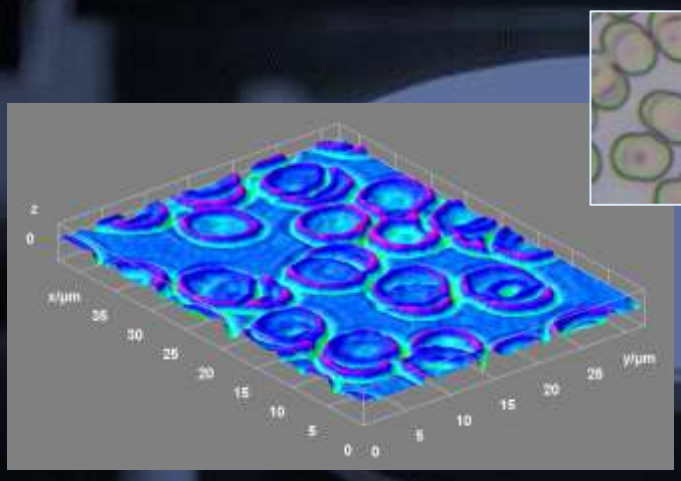
Advanced microscopy techniques to your reach

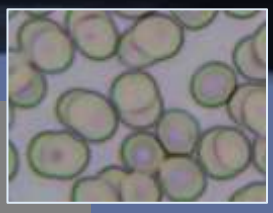
Phase and absorption imaging

- Non ambiguous separation of absorption and phase in images of objects with complex optical properties.
- Spatial resolution beyond compare, due to numerical treatments feasible with structured lightning.
- Easy combination of different techniques to extract more information from a single sample.



Details of a stained parkia grain.
A : Brightfield image.
B : Reconstructed phase image.





Phase imaging

- High contrast observation of biological objects without staining.
- Easy automatization of technique switches.

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TECHNICAL SPECIFICATIONS

CONTROLLER

- 5V power adapter (included).
- USB connection (cable included).
- Optional infrared remote control.
- Software :
  - compatible Windows XP, 7, 10
  - 32 or 64 bits
  - 500 Ko hard drive

SOURCES

- 59 individually controlled pixels (color, intensity).
- Mechanical microscope adaptation interface:
  - Olympus BX, IX,
  - Nikon,
  - Leica,
  - Realux, Optika,
  - Other : contact us.

ENVIRONMENTAL COMMITMENT

- Short supply chain, mainly in France.
- Device designed to be repairable.
- Components purchased from suppliers who comply with RoHS directive

µLight designed and made in France

Controller	
Weight	220 g
Dimensions	100 x 100 x 40 mm (L x P x H)
Electrical	5 V CC / 4 A

Source	
Weight	30 g
Dimensions	49 x 33 mm (D x H)
Cable	2 m

* « See better to understand better » - from Claude Foulon

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