

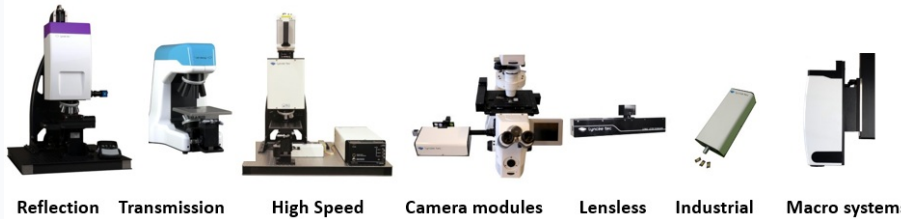


During the COVID-19 pandemic travel restriction period, trees were planted for DHM® purchased through remote demonstrations

**Our users' forest has over 3000 trees**

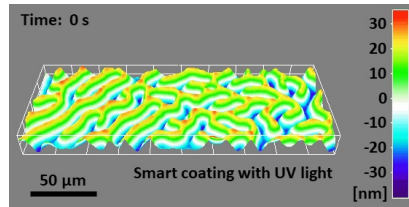
Lyncée is pleased to extend this action beyond the pandemic in the hope of limiting the ecological footprint of its activity

**With our Digital Holography Microscopes - DHM®**



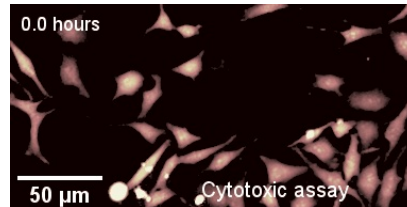
Reflection Transmission High Speed Camera modules Lensless Industrial Macro systems

**...study samples and processes that cannot be measured with other systems...**



- > 100'000 measures/second
- MEMS from static to 25 MHz
- Birefringence & polarization
- Reflectometry
- In-situ (liquid, vacuum, high/low T)
- Large surfaces screening
- Measure as you manufacture
- Automated quality control

**Innovative 4D profilometry**



- Label-free, non-invasive: no cell perturbation
- Multi-days continuous recording: time-lapse
- 194 recorded images per second: fast dynamics
- Millisecond responses
- Automated microscope: high-content/throughput screening

**Label free Bioimaging**

**...and publish in prestigious journals**

The collage includes several journal covers and article snippets:

- nature COMMUNICATIONS**: "Probing organic surfaces triggered by in-plane electric fields".
- Wear**: "A new approach to link the friction coefficient with topography measurements during plowing".
- nature nanotechnology**: "A flexoelectric microelectromechanical system on silicon".
- PLOS ONE**: "Simultaneous Optical Recording in Multiple Cells by Digital Holographic Microscopy of Chloride Current Associated to Activation of the Ligand-Gated Chloride Channel GABA<sub>A</sub> Receptor".
- Cytometry**: "Comparative study of human erythrocytes by digital holographic microscopy, confocal microscopy, and impedance volume analyzer".
- nature COMMUNICATIONS**: "Liquid crystal elastomer coatings with programmed response of surface profile".
- nature nanotechnology**: "A small-gap electrostatic micro-actuator for large deflections".
- JNeurosci**: "Determination of Transmembrane Water Fluxes in Neurons Elicited by Glutamate Ionotropic Receptors and by the Cotransporters KCC2 and NKCC1: A Digital Holographic Microscopy Study".
- Journal of Cell Science**: "The human CFTR protein expressed in CHO cells activates aquaporin-3 in a cAMP-dependent pathway: study by digital holographic microscopy".
- PLOS ONE**: "Spatially-Resolved Eigenmode Decomposition of Red Blood Cells Membrane Fluctuations Questions the Role of ATP in Flickering".
- International Journal of Molecular Sciences**: "Image- and Fluorescence-Based Test Shows Oxidant-Dependent Damages in Red Blood Cells and Enables Screening of Potential Protective Molecules".

**Contact us and book a remote live-demo**

**OneTreePlanted**

For any DHM® purchase based on a remote live-demo, [Lyncée commits to plant trees](#) through the non-profit organization OneTreePlanted and to provide you with a certificate.

**Join our DHM users' forest of already over 3000 trees!**



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