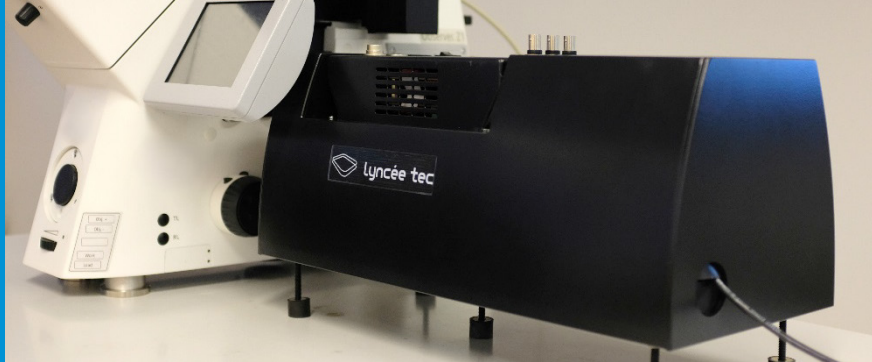




Lyncée tec

DHM[®] - Digital Holographic Camera

The Digital Holographic Camera is a patented cost-effective module that can readily be attached to the side port of your fluorescence microscope. It allows to obtain quantitative phase images from cells without labelling.



Characterize your delicate cells without perturbing them

Gain the advantages of label-free imaging and the full benefit of quantitative phase imaging by simply mounting the Digital Holographic Camera module to one of your fluorescence microscope's side port (C-mount).

Unmet advantages

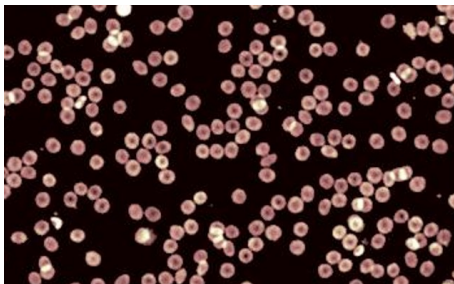
- ✓ Characterize transparent samples using simple protocols without marker
- ✓ Label-free non-invasive imaging technique (non-perturbing measurements)
- ✓ Single shot image acquisition
- ✓ Millisecond to multi-days continuous recording
- ✓ Quantitative information about morphology and intracellular content
- ✓ Accurate image segmentation for cell detection and tracking

Specifications

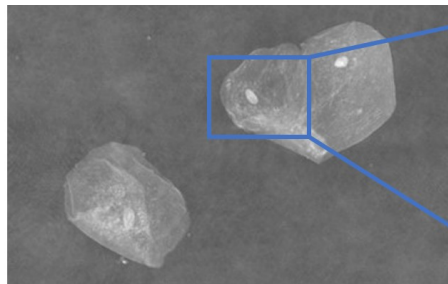
- High acquisition speed: up to 194 fps
- Camera: high sensitivity sCMOS sensor
- System dimension: 50*20*20 cm
- Magnification: from 5x to 100x
- Lateral resolution: MO dependent
- C-mount interface for high compatibility

Exact specifications depend on microscope model

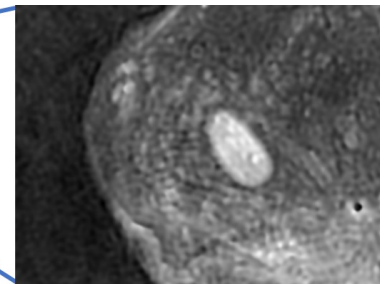
The Digital Holographic Camera is dedicated specifically for Life Sciences applications, offering for cell imaging most of the capabilities of our stand-alone transmission DHM[®] T series.



Flowing red blood cells (20x)



Human cheek cells imaged (40x)



High resolution organelles characterization

Large field of view and high acquisition speed enables simultaneous measurement of a large number of cells without blur.