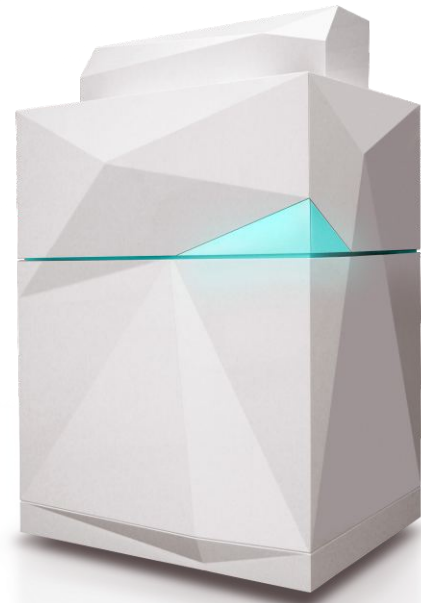


# MIM-340

## Laser interferential microscope

*Perspective tool for bio medical investigations*

MIM-340 is intended to investigate in real time the micro morphology of native uncolored and unfixed preparations (blood cells, tissues, bacteria) with extra high spatial resolution



### Advantages

- Super-resolution (up to 0,1 nm in vertical and up to 100 nm in plane of the object)
- Quantitative characteristics of the cell optical properties
- Possibility to investigate the objects in dynamics
- Easiness of sample preparation and absence of necessity to use expensive reagents and coloring agents

### Fields of application

- Analysis of morphology of blood living cells
- Express-diagnostics of auto immune disturbances
- New methods of evaluation of materials and coatings bio compatibility
- Evaluation of efficiency of antitumoral preparations, including
- Interaction of nanoparticles with cells and cells with artificial materials
- Determination of vital capacity of causal fungi spores

### Characteristics of MIM microscope

• Resolution in vertical .....	0,1 nm
• Resolution in plane XY .....	100 nm
• Time resolution .....	3 frame/sec
• Specimen movement range (XxYxZ) .....	300x300x100 mm