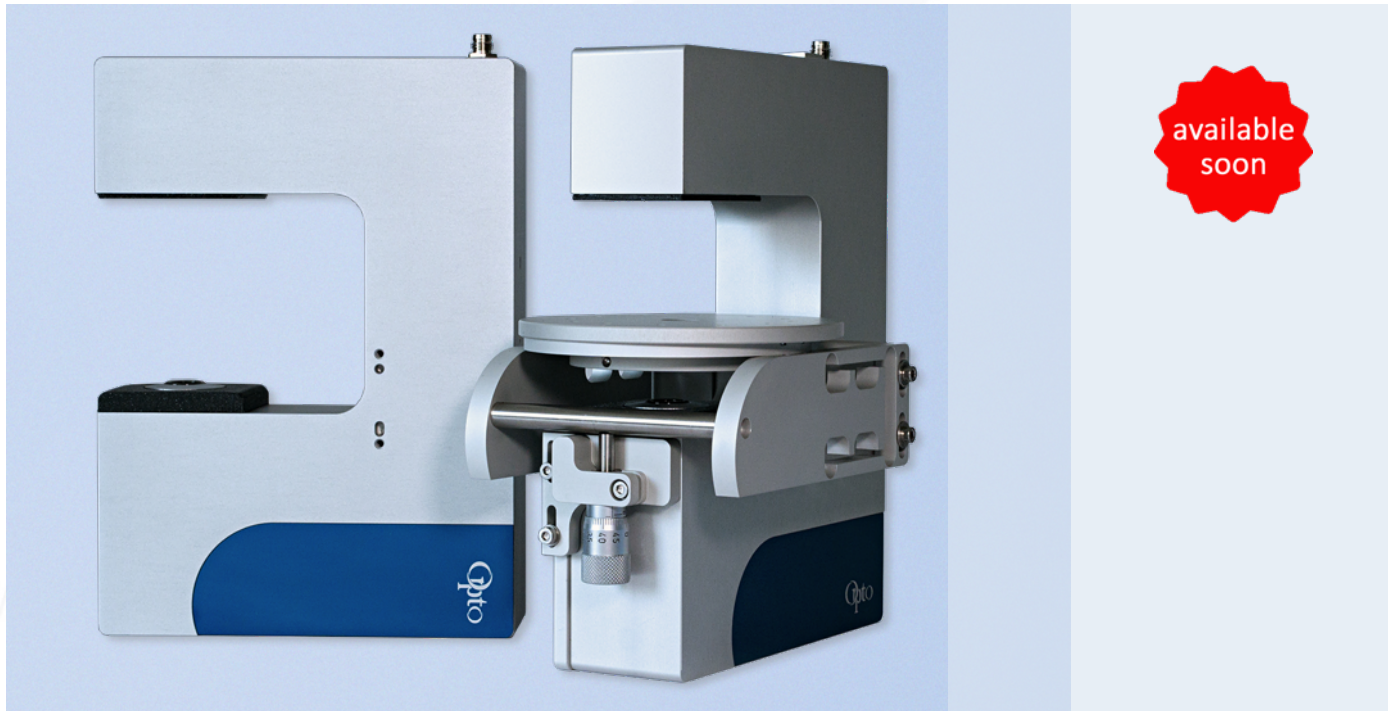


IM•profile M as a compact transmitted light microscope for Biomedicine & Microfluidics



The Opto Imaging Module profile M is a transmitted digital light microscope. It is a vision sensor.

It is perfectly suited for high-speed applications such as process monitoring in microfluidic droplet generation.

It can also be used to address microscope slides (Pathology) or imaging flow cytometry applications.

It is programmable with Python, plug-and-play integration with LabVIEW and comes with our OptoViewer 2.0 Software.

All from Opto, all from one source. All embedded.

Advantages:

- Magnifications from 1x to 20x
- High speed Image acquisition with up to 1000 fps
- Robust and ultra-compact with 40mm width
- Pure all in one USB 3.1 digital microscope
- Micrometer / pixel Resolution with large FoV
- High Contrast transmission brightfield illumination
- High repeatability of image acquisition
- Open software architecture
- Easy machine integration
- Dedicated microfluidic screening Software PlugIn



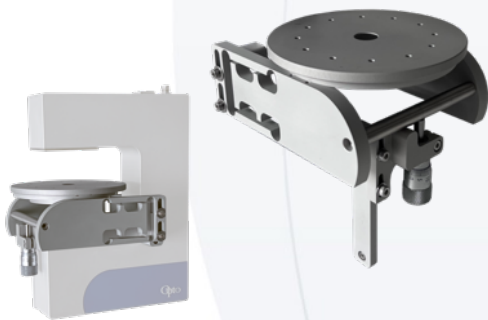
Specification

Item-Nr. *	000-000015	000-000015	000-000015	000-000015	000-000015	000-000015	000-000015
FoV [mm]	10.7 x 6.7	4.5 x 2.8	2.2 x 1.4	1.8 x 1.1	1.3 x 0.84	0.67 x 0.42	0.33 x 0.21
Resolution [LP/mm]	90	200	400	280	280	710	1100
Working Distance WD [mm]	33	33	33	31	31	13	3,6
Object Space Resolution [μ m/Pixel]	5.5	2.3	1.2	0.9	0.7	0.3	0.2
Depth of Field DoF [mm]	0.122	0.084	0.015	0.05	0.05	0.008	0.003
Sensor	IMX392LLR-C 2.4 MP Monochrome 166 fps						
Dimensions [mm]	W140 x L193 x H40						
Weight [g]	1400						
Interface	USB3.1 Gen 1 Type C						
Illumination	Transmitted light green 530 nm						
Control Software	OptoViewer 2.0						
Delivery time	8 – 12 weeks						

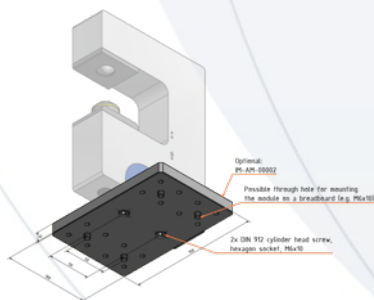
* In case of an order, please include the specifications of the respective module, the final item number will be assigned afterwards.

Accessories

IM-AM-00001 - Manual XYZ Φ Stage for profile M



IM-AM-00002 - Adapter plate for mounting on a breadboard



Technical Drawing

