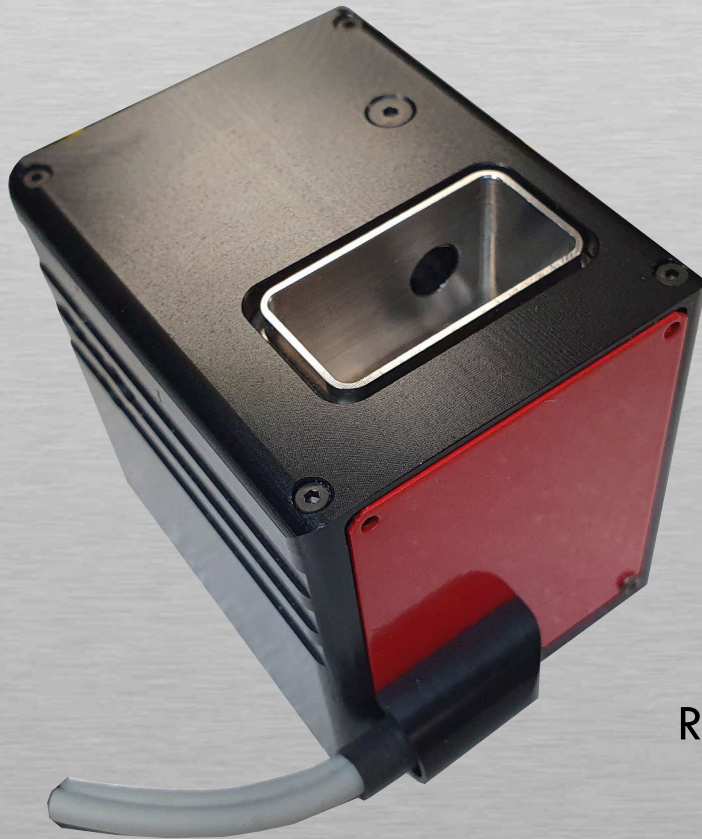


GATACA LEAF 5x

Compact light-sheet device for live and fixed samples



3.6mm FOV at 5X

10 μ m Z resolution

Up to 10mm samples

Built in positioning camera

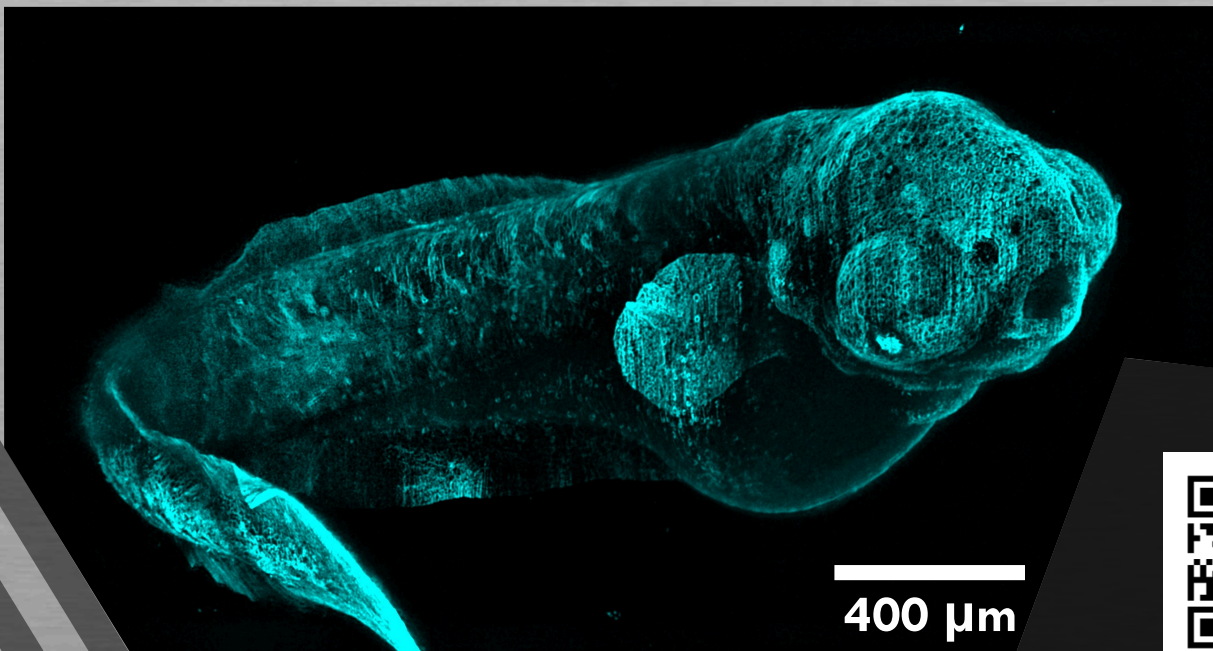
Galvanometric Scrambling

Easily swappable

Compact and adaptable

Normal objective slot

Resistant to any clearing solution



400 μ m



Scan me

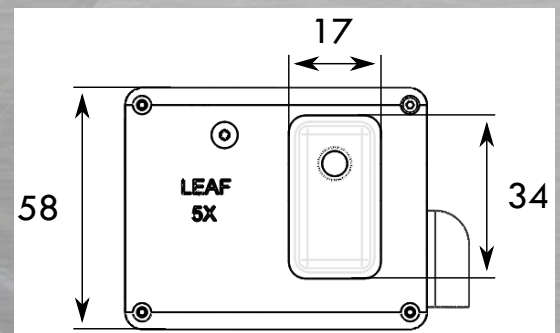
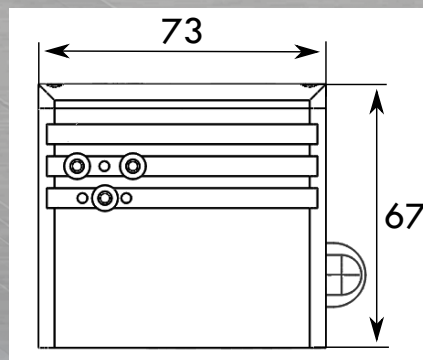
LEAF 5x

Light Sheet device

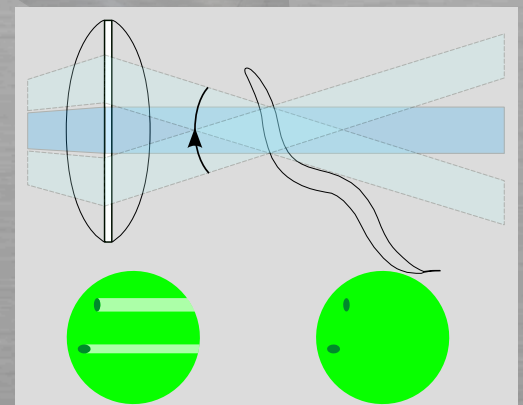
Designed to be user friendly, the LEAF take advantage of your microscope motorization in X, Y and Z to scan the sample held by the motorized stage . Due to the very low photobleaching and toxicity of light-sheet technology the LEAF is optimal for live imaging . Because of its design you can image cleared tissus in any solution of any refractive index.

The integrated camera helps you position the sample, an the galvanometric mirror create a sweeping of the light sheet in order to remove the strips we usually see in light-sheet imaging.

Compatible with most inverted microscope. The LEAF sits on the objective turret, using two objective spots. It was made swappable in a matter of seconds allowing you to use the same microscope for multiple applications. It does not interfere with other modalities , such as FRAP ablation or other imaging techniques.



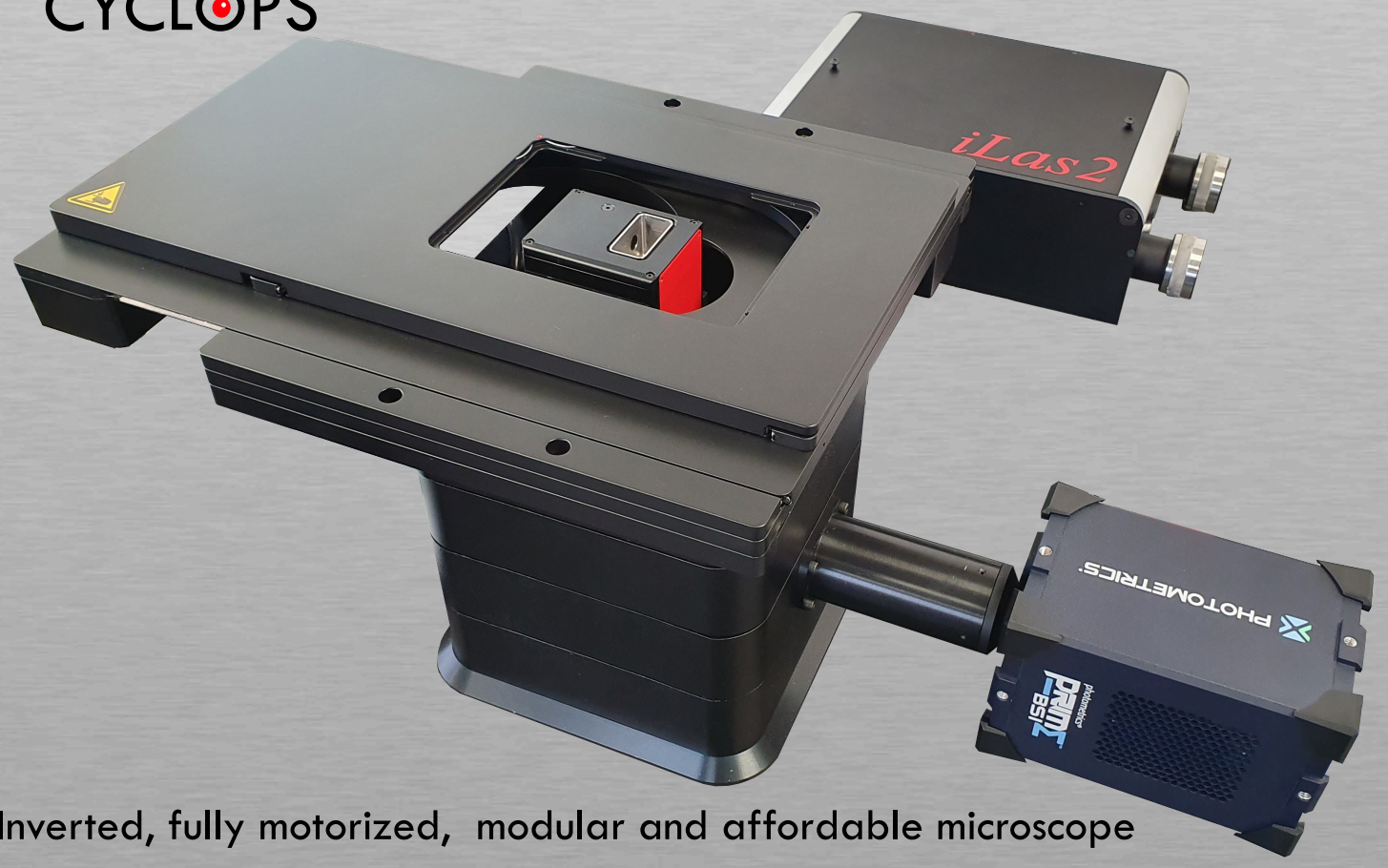
A galvanometric mirror rotate the light sheet around the optical center to removes strips due to high diffraction or absorption



Regular SPIM With galvo

Modularity

GATACA CYCLOPS



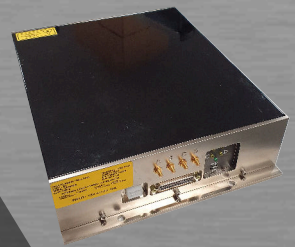
Inverted, fully motorized, modular and affordable microscope

iLaunch Lasers

Multi output laser launcher

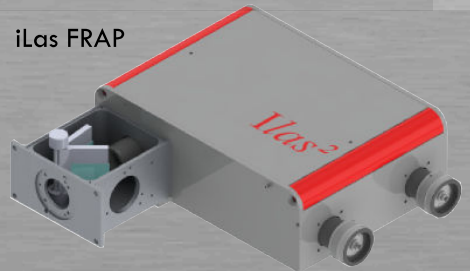


Single output laser launcher



Excitation devices

iLas FRAP



Photomanipulation, FRAP...

iLas Pulse

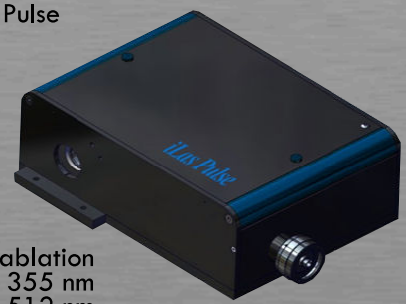
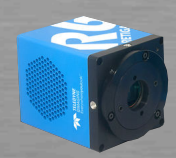


Photo-ablation
355 nm
512 nm

Detectors



Key benefits

Extremely low photo-bleaching/toxicity
Easy to use (simply another objective)
Modularity (ablation, optogenetic, FRAP...)
Designed for a variety of samples
Compatible with any medium
Integrated camera for sample placement
Compatible with regular transmitted light
Adaptable on any inverted microscope
Reuse your microscope motorisation

Specifications

Light-sheet thickness	10 μ m
Light-sheet width	3.6 mm
N.A.	0.155 - 0.2
R.l. range	1.3 - 1.6
Illumination technique	Cylindrical lens and sweeping
Magnification	5x
Field of view imaging	18 mm
Achromatic range	400 - 700 nm
Cuvette size	34 x 17 x 24 mm (l/w/h)
Integrated camera	1080p
Dimensions	73 x 58 x 67 mm (l/w/h)
Installation	Regular objective spot
laser Input	FC/APC monomode
Lasers	up to 8 lines 400 - 640 nm
Software	MetaMorph, Visiview, μ -Manager
Modularity	Ablation, Optogenetic, FRAP, FLIP...