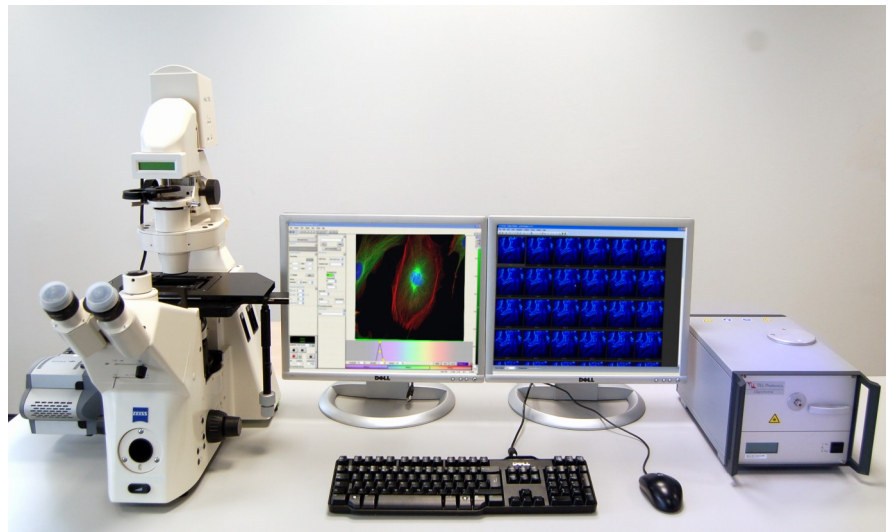


Starting at
29.900 €



High performance real time imaging system with excellent price / performance ratio

By combining TILL's microprocessor controlled light source Oligochrome with a scientific CCD camera and our software specialized for live cell imaging TILL Photonics offers a real time imaging system with the following features and benefits:

- Real time capability
- High performance light source
- Cameras tailored for your application
- Intuitive acquisition software with online analysis
- Small footprint
- Low cost of ownership

Real time capability

- High time resolution (frame rates)
- Minimized bleaching and phototoxicity

Due to the optimized interaction of light source, camera and software very fast image acquisition is possible. Another important consequence of this optimized interaction is that the specimen is illuminated only for the shortest possible time required for exposure of the camera. Thus bleaching or damaging effects of the fluorescence excitation light are minimized.

High performance light source

The TILL Oligochrome combines the performance of the new hard coated filters with the speed of a galvanometer based system

- Switches between filters in ms
- High output power in UV (>320nm) and VIS
- Contains DSP-based controller for light source and camera control
- Five filter positions with fine intensity control (1%)
- Vibration free coupling to the microscope by optical fibre

Intuitive Acquisition software

The Live Acquisition software features flexible, high speed, real-time image acquisition with an easy to use user interface. It has full control over the hardware.

Cameras tailored for your application

Whether you need a fast economic camera, an EMCCD camera of highest sensitivity or a general purpose workhorse you can find it in the list of supported cameras.

Cost effective cameras for imaging

- QImaging Retiga EXI Aqua, cooled high resolution
- AVT Stingray (15fps), un-cooled high resolution

High speed cameras

- QImaging Retiga EXI Blue
- AVT Stingray 30fps, un-cooled
- Andor Ixon 885

High end sensitive options

- Andor Ixon 897 and 888
- Photometrics Evolve and QuantEM 512SC

Real Time Imaging System

Small footprint

Due to the integration of the real time controller into the light source the footprint of the system is very small and saves precious lab space. The cooling concept allows other devices to be placed on top of the light source without being heated or blocking the ventilation.

Low cost of ownership

Other than liquid light guides the quartz light guide needs no regular replacement and in addition has a better UV performance. The high stability Xenon lamps used for the light source have a typical lifetime of 2000 hours.

The system includes the following components

Oligochrome - Highspeed galvanometer driven filter switching device with:

- 5 equivalent filter positions
- Switching speed < 3ms.
- Super quiet pre-aligned 150W Xenon lamp
- Typical lamp life 2000h
- Optical fibre: quartz: maintenance free, unlimited lifetime
- Intensity regulation: 0-100% in 1% steps

Achromatic EPI-Fluorescence Condenser

AVT Stingray F-145B - Digital monochrome interline CCD camera

- QE >60%
- Chip: 1388x1038 pixel
- Pixel size: 6.45x6.45 μm
- Speed: 30fps (full frame)

Call us for pricing information on other cameras.

IMAGING Workstation DELL Optiplex 780MT

- Intel Core 2 Duo E8600
- Windows XP Professional English
- Microsoft Office 2007 SB
- Live Acquisition installed

2 TFT Flat Panel Screens

Real Time Imaging System

LA Acquisition Software

- High speed image acquisition
- Real-time control for perfect reproducibility
- Multifformat Export

LA Browser 2D

LA RATIO Analysis - Online and Offline analysis

Installation and software training

Additional information

For additional information please call your local TILL Photonics representative or visit the TILL Photonics website.

Specific links are: [Oligochrome](http://www.till-photonics.com/Products/oligochrome.php) (http://www.till-photonics.com/Products/oligochrome.php)

[Live Acquisition Software](http://www.till-photonics.com/Products/la.php) (http://www.till-photonics.com/Products/la.php)

[TILL Real Time Imaging Concept](http://www.till-photonics.com/Support/files/TILL_realtime_imaging_concept.pdf) (http://www.till-photonics.com/Support/files/TILL_realtime_imaging_concept.pdf)

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