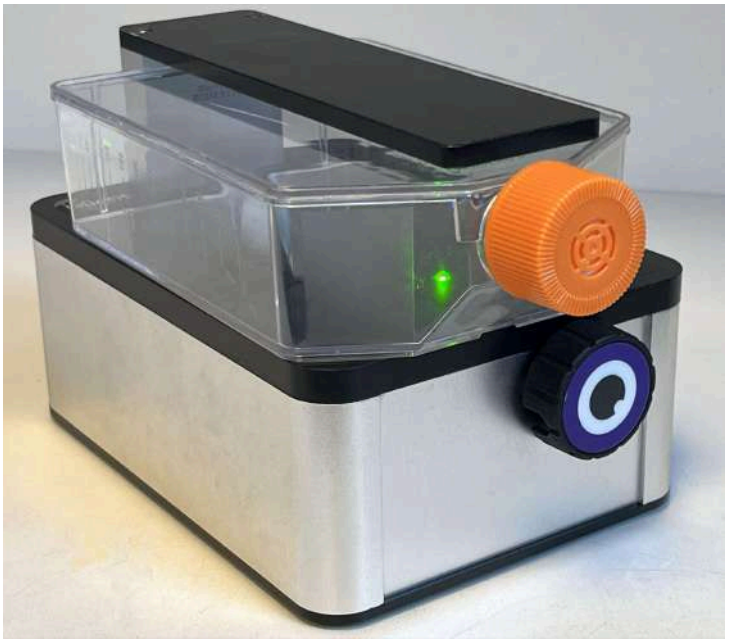
Compact Cell Imager with Dual Colour Fluorescence



- Fluorescence: Blue and Green excitation
- Fluorophores GFP, YFP, PI SYTO9, DS Red, tDTomato, Alexa Fluor, FITC, mCherry and more
- Brightfield , darkfield and digital phase contrast imaging
- Views samples from below in flasks, well plates and Petri dishes or on slides
- Can be left inside a CO_2 incubator or safety cabinet and sterilised
- 1 micron resolution for viewing mammalian cells
- Display images on a phone, tablet or computer without opening the door
- Instant sharing with colleagues anywhere
- Fast and simple to use
- Time-Lapse, Z-Stack, Z-stack combined with time-lapse and remote view

Demonstration: https://youtu.be/-MgbC7iPOOc

Specifications	
Epifluorescence	Excitation switchable between 475nm or 560nm. Emission simultaneously detected at 515-535nm and 587-618nm by colour camera. Fixed lens and filter cubes so that the microscope is sealed for use inside incubators or safety cabinets. Easy sterilisation and cleaning Epifluorescence: Camera and Fluorescence illuminator are both below the sample.
Brightfield illumination	Trans illumination modes: Brightfield; Low NA brightfield; High contrast brightfield; Darkfield and Digital phase contrast.
Field of view	1.2 mm x 0.9 mm
Resolution	1 micron
Magnification	Equivalent to x10 objective, 0.25 NA
Working distance	0 to 3mm stage to sample
Maximum flask height	48mm, taller flasks on request

Specifications	
Time-Lapse	App for Android & iOS devices enables Time-Lapse image sequences. Time-Lapse can be combined with Z-stack.
Z-Stack	Microscope saves images at different focus points which may be stacked using Photoshop, ImageJ or other image software
Display (not included)	Smart phone, tablet or computer with WiFi Direct connection, no internet connection or router is required
Image sharing	Images and videos are stored on the display device for easy sharing. Images can be viewed remotely in Google Photos or any image sharing software. Time-Lapse on iOS or Android devices only.
ioLight app	Free to download from the Apple® or Google Play® app store. Embedded web server connects to Google Chrome and most other browsers on any computer with WiFi Microscope makes a WiFi hotspot, no router or infrastructure necessary
Image format	5MP (2592 x 1944 pixels); JPEG; colour Web browser provides JPEG, PNG and BMP
Video format	MPEG-4; colour; up to 1296 x 972; 10 fps Not available on web browser
Weight	1.9kg
Dimensions	210 x 140 x 132mm, Taller flask models are >132mm high
Power	Integrated Li-ion rechargeable battery, USB charger supplied. Power lead is sealed to prevent ingress of the atmosphere Battery life: 5 hours with constant streaming.
Requirements	A tablet or phone running iOS 8.1 or Android 4.4 or higher, or a computer with WiFi and Google Chrome (or another web browser) We recommend newer, faster devices. Older low-performance devices may run the app, but are not recommended.
In the box	Your ioLight Microscope USB charger, international model Quick Start guide and certificate of conformity