Compact Inverted Microscope

- View samples from below in petri dishes, well plates and flasks or on slides
- Can be left inside a CO_2 incubator and sterilised
- 1 micron resolution for viewing cells
- Display images onto phone, tablet or computer without opening the door
- Instant sharing with colleagues anywhere
- Fast and simple to use
- Timelapse and remote view

Demonstration: https://youtu.be/cY1o1jttuwU

Model	Inverted microscope
Field of view	1mm x 0.75mm
Resolution	1 micron
Maximum magnification	Equivalent to x10 objective 0.25NA
Working distance	0-6mm stage to sample
Maximum flask height	48mm, taller flasks on request
Illumination	Top and bottom, adjustable Top (trans) illumination modes: Brightfield; Low NA brightfield; High contrast brightfield; Darkfield and Digital phase contrast.
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 Android devices.
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 WiFi computer Microscope makes a WiFi hotspot, no router or infrastructure necessary

Model	Inverted microscope
Image format	5MP (2592 x 1944 pixels); JPEG; colour Web server provides JPEG, PNG and BMP
Video format	MPEG-4; colour; up to 1296 x 972; 10 fps Not available on web server
Z-Stacking	Web server only: 12 images at different focus points May be stacked using Photoshop, ImageJ or other image software
Weight	1.8kg
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 ioLight Compact Inverted Microscope USB charger, international model Users' guide and certificate of conformity