

Portable High-Resolution Microscopes

- Robust microscopes fit that into a jacket pocket
- 1 micron resolution for viewing cells
- Display images onto phone, tablet or computer
- Instant sharing to colleagues anywhere
- Fast and simple to use
- Used in the Arctic, Antarctica, Everest, The Amazon..
- Generally accepted in airline carry on baggage



Demonstration <https://www.youtube.com/watch?v=2WNmgcdGuEA>

Model	1mm and 1mm XY	2mm and 2mm XY
Field of view (X axis)	1mm	2mm
Resolution	1 micron	
Maximum magnification	Approximately x400	Approximately x150
Working distance (lens to sample)	1mm	2.5mm
Illumination	Top and bottom, adjustable	
Sample stage	1mm and 2mm: Glass 1mm XY and 2mm XY: Stainless steel with guide grooves	
Display (not included)	Smart phone, tablet or computer with WiFi Direct connection, no internet connection or router is required	
Image sharing	Images are saved to the photo gallery or download folder	
ioLight app	Free for download from the Apple® or Google Play® app store Embedded web server connects to Google Chrome and most other browsers.	
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 with pouch	1mm and 2mm, 400g. 1mm XY and 2mm XY 600g.
Dimensions	160mm x 101mm x 107mm, operating 160mm x 101mm x 32mm, folded 160mm x 101mm x 37mm, folded with XY stage
Power	Integrated Li-ion rechargeable battery USB charger (supplied) Battery life: 5 hours (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 Magnificent Mobile Microscope USB charger, international model Protective pouch Users' guide and certificate of conformity Two carriages for slides and counting chambers (XY models only)

Portable High-Resolution Microscopes with XY stage

- Perfect for counting applications. Worm Egg Counts, Yeast, Algae etc
- Allows manual movement of the subject independently in the left-right (X) axis and front-back (Y) axis. Methodically scanning slides and counting chambers
- Supplied with two carriages for standard microscope slides and counting chambers (25x75mm or 1"x2") and 32mm wide counting chambers
- Carriage is easily removed when not required



Demonstration: https://youtu.be/a9S_M18ma4



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.