

iMicro Q2

iMicro C

User Guide

Components:



iMicro Q2



μ Ruler M (optional)



iMicro C



Focus ring



Reflecting pad



Storage case/stand

Introduction

iMicro Q2 (iMicro C) works with your smartphone to observe tiny objects and record digital micrographs as a portable digital microscope.

Install the APP

Scan the QR code to download and install the APP i-SEEING. For the Android version, you need to set the permission by going to Setting->permission setting->App permission setting->i-Seeing to set the camera to be accessible.

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iOS App at Apple App Store



Android APP at Google Play

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Apps are also accessible from the website (www.mobile-scope.com).

Install iMicro

Pull it from the storage case, align the lens with the phone's primary camera, attach it to the phone through its nano-suction pad.



Make observation

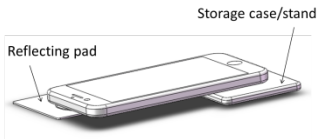
Turn on the flashlight and put iMicro Q2 against the objects to observe; the phone will make autofocus and clear image appear on the screen. The storage case can be used to reflect the flashlight.

For iMicro C, the focus ring could be attached to the ring and make a stable distance between the sample and the lens, thus for a stable and easy observation.

When observing transparent samples, such as μ Ruler or sample

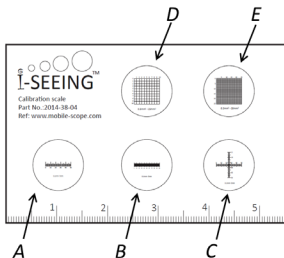
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slide, the reflecting pad can reflect light to illuminate the sample. The storage case can be used as a stand to assist observation.



The μ Ruler M

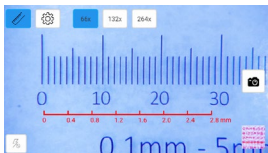
Five types of rulers can help you calibrate the scale bar in APP, to enhance the capability with size measurement.



- A. 0.1mm line ruler
- B. 0.05mm line ruler
- C. 0.1mm cross ruler
- D. 0.5mm grid ruler
- E. 0.2mm grid ruler

Calibrate the scale bar

If you want to measure the size of micro-objects, you need to calibrate the scale bar.



Observe the μ Ruler, enter the calibration mode* by pushing the gear button

*The calibration code is on the label on

the storage case, under the bar code.
and tune the magnification number to match the scale bar with the real length on the μ Ruler M.

Maintenance

- ◆ Clean the surface with soft cloth, no organic solvent should be used.
- ◆ Keep the lens free of dust, clean the lens with soft lens tissue.
- ◆ Please keep the iMicro and phone camera clear of dust and oil to ensure stable

attachment of the lens to phone camera.

- ♦ The nano-suction pad on the backside of the device can be cleaned with stationary tape if it is contaminated by dust.

Specification

iMicro Q2

- ◆ Magnification: ~100-800X
- ◆ Max view field: ~1.8mm
- ◆ Working distance: 0.2mm
- ◆ Size: ~12.7mmX3.2mm
- ◆ Weight: ~0.37g

iMicro C

- ◆ Magnification: ~25-200X
- ◆ Max view field: ~6mm
- ◆ Working distance: ~4mm
- ◆ Size: ~12.7mmX3.2mm
- ◆ Weight: ~0.34g

iMicro Q2

iMicro C

使用指南

部件:



iMicro Q2



显微尺 (可选)



iMicro C



对焦环



反光片



存储盒/支撑架

简介

iMicro Q2 (iMicro C)可以与您的手机一起作为便携数码显微镜来观察细小物体和记录显微图像。

安装 APP

手机扫描相应二维码下载并安装 APP i-SEEING. 对于安卓版本，您可能需要手动设置许可，允许它使用您的相机和存储才能很好的工作。可以到设置->权限管理->软件权限管理->i-Seeing

上海庆赢电子科技

设置为可以使用相机和存储。



iOS App 苹果应用商店



安卓 App Google Play

您也可以访问本公司网站下载安装 APP(www.mobile-scope.com)。

安装

将 iMicro Q2 (iMicro C) 镜头对准手机主摄像头，通过其背后的纳米吸盘吸贴在手机上。

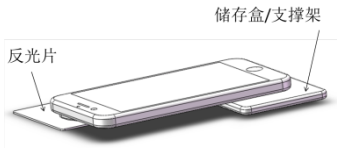


观察样品

打开闪光灯，将 iMicro Q2 靠在要观察的样品上，相机会自动对焦呈现清晰图像。储存盒置于样品下面用来反射闪光灯的光线。

使用 iMicro C 时，您也可将对焦环套在镜头前面，方便控制样品与镜头之间的距离。

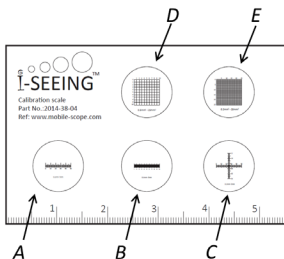
对于透明样品的观察，比如显微尺或制备好的样品玻片，可以将反光片置于样品下面将闪光灯的光线反射提供反射照明。为了方便观察，储存盒可以用作支撑架辅助观察。



显微尺

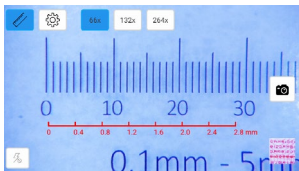
所附显微尺包括 5 种不同类型，方便您对 APP 中的标尺进行校准，加强显微镜的功能。

- A. 0.1mm 分度直尺
- B. 0.05mm 分度直尺
- C. 0.1mm 分度十字尺
- D. 0.5mm 分度网形尺
- E. 0.2mm 分度网形尺



软件标尺的校准

为了精确测量您可以对软件标尺进行校准。



通过设备观察显微尺的图像，点按齿轮按钮进入校准模式*。通过输入合适的放大倍数，使软件标尺与显微尺的实际长度相一致。

*校准密码在储存盒的标签上，位于条码下面。

维护保养

- ◆ 用软布清洁设备表面，不可用有机溶剂或腐蚀性液体；
- ◆ 请保持镜头清洁，万一镜头需要清洁请用软质镜头纸清洁；
- ◆ 请注意保持镜头背面纳米吸盘的清洁和相机摄像头清洁并没有油污，以使纳米吸盘能牢固吸附在手机摄像头上。
- ◆ 设备背面的纳米吸盘因沾污吸附力不足时，可以用压敏胶带粘除上面灰尘。

规格

iMicro Q2

- ◆ 放大倍数: ~100-800X
- ◆ 最大有效视野: ~1.8mm
- ◆ 工作距离: 0.2mm
- ◆ 尺寸: ~12.7X3.2mm
- ◆ 重量: ~0.37 克

iMicro C

- ◆ 放大倍数: ~30-250X
- ◆ 最大有效视野: ~6mm
- ◆ 工作距离: ~4mm
- ◆ 尺寸: ~12.7X3.2mm
- ◆ 重量: ~0.34 克

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