

USB Portable Microscope

USER MANUAL

Introduction

MIKR-USB01 is a newly developed portable microscope with autofocus. It is very easy to carry and operate, when it is connected to the computer via USB2.0, the image will be shown on the computer. MIKR-USB01 has auto focusing within a view distance, which enables it to capture image more easily than that of manual focusing.

Feature

- Small size, portable, easy to operate.
- Image would be shown on the computer to which when MIKR-USB01 is connected via USB2.0
- With autofocus
- Stepless magnification adjustment
- Stepless lighting adjustment

Applications

Checking electronic components, PCB board, precise machine, observing stamp, coins, curios, ornaments, biology, insect, plants, fiber, etc.

Parameters

- Image Sensor: 1/4" high quality CMOS image sensor
- Resolution: 640 X 480
- Color: true color 24bit(RGB)
- Interface: USB2.0
- Frame Rate: 30 Frame /Sec
- Magnification: x40 max. (at working distance 10mm, resolution 640x480)
- Backlight: 4 pcs LED
- Diameter microscope: 12 mm
- Length microscope: 125 mm
- Length cable: 1300 mm
- Weight: 295 g

Computer System Requirement

To get high quality image, below requirement is recommended:

- Pentium III or above processor
- 128M or above RAM Memory
- 3D display card 64M RAM above, 32bit color display supported
- USB 2.0 interface
- Windows

Usage:

- Connect the microscope to the computer via USB2.0
- WINDOWS XP:
Open Menu START
Open My Computer
Open USB Video Device
Now you can see on the screen image from microscope.
- WINDOWS 8
Open Menu START
Open Camera application
Now you can see on the screen image from microscope
- You can adjust microscope magnification (switch on the body) and lighting (switch on the cable).

Cautions:

1. Please read through the below cautions before use and follow them to avoid damage or injury:
2. Make sure the computer is of good grounding, if not sure; please have it checked by a professional person.
3. Don't use the unit in the thunder storm weather.
4. Please disconnect the unit with the computer after use and never leave it working under non-custody.
5. Don't have this unit contacted with steam, water, or other liquid, otherwise permanent damage maybe cause to the unit.
6. The unit is with precise components, gentle and sight operation is mandatory, otherwise permanent damage maybe cause to the unit.
7. Never disassemble the unit, otherwise permanent damage maybe cause to the unit.
8. When using, the temperature of the handle/main body may rise and thus touch warm, it is normal. If it is hot, please disconnected it and consult the dealer.
9. This unit is not a toy for children, please put and store it beyond children's reach.
10. When not using, please put it in a well sealed box to avoid damp or damage.