

## **Eyeclops 61081**

# **EyeClops BioniCam Video Microscope User Manual**

Model: 61081

## **INTRODUCTION**

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The EyeClops BioniCam Video Microscope is designed to open up a world of microscopic exploration. This device allows users to easily capture digital pictures and video of magnified objects. It is suitable for inquisitive individuals aged eight and up, providing an engaging way to observe the world around us in detail.



Figure 1: The EyeClops BioniCam, showing its main unit with a magnified coin on the screen and its external battery pack.

## WHAT'S IN THE BOX

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Upon unboxing your EyeClops BioniCam, please ensure all the following components are present:

- **BioniCam Unit:** The main handheld video microscope.
- **I.R.I.S. Lens Attachment:** For focusing the image.
- **Removable USB Drive:** For saving and transferring images and videos.
- **Video Cable:** For connecting the BioniCam to a television.

## SETUP

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1. **Battery Installation:** Insert five (5) AA batteries (not included) into the belt clip battery pack. Ensure correct polarity.
2. **USB Memory Stick:** Insert the included USB memory stick into the designated slot at the top of the BioniCam unit.
3. **Power On:** Turn the unit on using the power button. The LCD screen should illuminate.
4. **Optional TV Connection:** To view images on a television, connect the included video cable from the BioniCam to the video input ports on your TV. When connected, the BioniCam's LCD screen will turn off, but all functions remain accessible.

## OPERATING INSTRUCTIONS

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### Exploring and Magnifying

Hold the BioniCam's ergonomically shaped handle and position the lens over any object you wish to examine. The magnified image will appear in real-time and full color on the LCD screen.

- **Magnification Levels:** Use the zoom dial to select between 100x, 200x, or 400x magnification.
- **Focusing:** Twist the I.R.I.S. lens attachment until you achieve a crisp image. Achieving a clear focus, especially at higher magnifications, may require some practice. The focusing gauge can assist in this process.



Figure 2: Observing a plant with the BioniCam, demonstrating real-time magnification.

### Capturing and Reviewing

Below the LCD screen, you will find buttons for navigation, selecting video or photo options, reviewing your gallery,



and deleting unwanted images.

- **Taking Photos/Videos:** Select the desired mode (photo or video) and press the capture button. For photos, hold steady for 2-3 seconds.
- **Reviewing Gallery:** Navigate to the gallery option to view captured images and videos directly on the BioniCam's screen or a connected TV.



Figure 3: A magnified view of crystals displayed on a television screen via the BioniCam.

### Transferring and Sharing Discoveries

The BioniCam is designed for easy sharing of your observations:

- **PC Connection:** Remove the USB memory stick from the BioniCam and plug it directly into your computer's USB port. The images and videos can then be accessed, saved, edited, or uploaded to share with others. No special software installation is required.



Figure 4: Transferring captured images from the BioniCam's USB drive to a computer.

## Official Product Video

Your browser does not support the video tag.

Video 1: An official product video demonstrating the features and usage of the EyeClops BioniCam, including its portability, magnification capabilities, and ability to capture and share images and videos.

## MAINTENANCE

To ensure the longevity and optimal performance of your BioniCam, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. For the lens, use a lens cleaning cloth and solution specifically designed for optical devices. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the BioniCam in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Handling:** The unit is made of durable plastic, but avoid dropping it or subjecting it to strong impacts to prevent damage to internal components or the screen.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
<b>Difficulty Focusing Image</b>	Object not close enough to lens; I.R.I.S. lens not adjusted correctly; high magnification setting.	Ensure the object is directly in front of or touching the lens. Slowly twist the I.R.I.S. lens attachment until the image is clear. Practice focusing at lower magnifications (100x) before moving to higher ones.
<b>Images appear too bright/unclear (especially lighter objects)</b>	LEDs are too bright for the object at lower magnification settings.	Adjust the lighting settings on the BioniCam's menu screen to a lower setting, particularly when viewing light-colored or crystalline objects. This issue is less common at higher magnifications.

Problem	Possible Cause	Solution
LCD screen difficult to read outdoors	Direct sunlight interfering with screen visibility.	Move to a shaded area or position yourself to minimize direct sunlight on the screen.
Device not powering on or short battery life	Batteries are dead or incorrectly installed; high power consumption.	Check battery polarity and replace with fresh AA batteries. The device consumes power, especially with continuous use; consider having spare batteries or using rechargeable ones.

## SPECIFICATIONS

Feature	Detail
Brand	EyeClops
Model Name	EyeClops BioniCam
Item Model Number	61081
Product Dimensions	4.3 x 12 x 15.7 inches
Item Weight	2.05 pounds
Manufacturer Recommended Age	8 years and up
Batteries Required	5 AA batteries (not included)
Light Source Type	LED
Material	Plastic
Color	Black
Real Angle of View	30 Degrees
Maximum Magnification	400x
Objective Lens Description	100x, 200x, 400x magnification
Compatible Devices	Television, Personal Computer

## WARRANTY AND SUPPORT

Please note the following information regarding warranty and support for this product:

- **Warranty:** This item is sold as a final sale, with no returns accepted.
- **Product Condition:** The item is new but has not been tested.
- For any inquiries or assistance, please refer to the original point of purchase or the manufacturer's official website for further support options.

