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Ashfly inskam382

Ashfly 1000X Handheld Digital Microscope (Model: inskam382) Instruction Manual

Explore the Microscopic World

1. PRODUCT OVERVIEW

The Ashfly 1000X Handheld Digital Microscope is a portable and educational tool designed for children aged 5-13 to explore the hidden details of the world around them. Featuring a 2.0" IPS screen and up to 1000x magnification, it allows for clear observation, photo, and video capture of various objects.



Figure 1: Ashfly 1000X Handheld Digital Microscope in use, displaying a magnified view of microorganisms.

Key Features:

- **High-Definition Magnification:** Zoom function ranging from 200x to 1000x for detailed exploration.
- **Photo & Video Function:** Capture discoveries with one-touch photo and video recording on a 2-inch LCD display.
- **USB Charging & PC Connection:** Built-in 600mAh rechargeable battery (up to 2.5 hours continuous use) and USB-C port for charging and computer connection.
- **Portable & Child-Friendly Design:** Lightweight (0.28 lbs) with an ergonomic design and neck strap for easy handling and outdoor adventures.

2. WHAT'S IN THE Box

Upon unboxing your Ashfly Digital Microscope, you should find the following items:

- Ashfly 1000X Handheld Digital Microscope
- USB-C Charging Cable
- Neck Strap
- Pre-mounted Biological Slides (Quantity may vary, typically 6-12)

6 Pre-mounted Biological Slides

Each slide showcases clear structures and beautiful forms

Vegetable



Tomato

Corn leaf

Plant



Dandelion fluff

Bodhi vein

Animal



Goose feather

Fish scale

Figure 2: The microscope and included pre-mounted biological slides.

3. SETUP

3.1 Initial Charging

1. Locate the USB-C charging port on the back of the microscope.
2. Connect the provided USB-C cable to the microscope and a compatible USB power adapter (not included) or computer.
3. The charging indicator light will show the charging status. A full charge typically takes approximately 2 hours and provides up to 2.5 hours of continuous use.

3.2 Attaching the Neck Strap

1. Thread the thin loop of the neck strap through the designated strap hole on the top side of the microscope.
2. Pass the larger part of the strap through the loop and pull to secure.
3. Ensure the strap is firmly attached to prevent accidental drops.

3.3 Inserting a Micro SD Card (Optional)

To save more photos and videos, you may insert a Micro SD card (not included, supports up to 16GB as per user reviews, though product description does not specify max capacity).

1. Locate the Micro SD card slot next to the USB-C port.
2. Gently insert the Micro SD card into the slot until it clicks into place.
3. To remove, push the card inward until it clicks, then release.



Figure 3: USB-C connection for charging and PC data transfer.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To power on: Press and hold the Power button (usually marked with a power symbol) until the screen illuminates.
- To power off: Press and hold the Power button again until the screen turns off.

4.2 Adjusting Magnification and Focus

- **Magnification:** The microscope offers 200x to 1000x zoom. Use the zoom buttons (often marked with '+' and '-' or arrows) on the device to adjust the digital magnification.
- **Manual Focus:** Rotate the focus wheel located on the side of the microscope body to achieve a clear image. This is crucial for sharp observations.



Figure 4: Manual focus wheel and screen display for observation.

4.3 LED Illumination

The microscope is equipped with 8 bright LED lights to illuminate your subject.

- Press the light adjustment button (often marked with a sun symbol) to cycle through different brightness levels or turn the lights off.

4.4 Photo and Video Capture

- To take a photo: While observing, press the Photo button (usually marked with a camera icon).
- To record a video: Press the Video button (usually marked with a video camera icon) to start recording. Press again to stop.

4.5 Playback and Review

- To enter playback mode: Press the Playback button (often marked with a menu or play icon).
- Use the navigation buttons (arrows) to browse through your captured photos and videos.

4.6 PC Connection

Connect the microscope to a computer using the USB-C cable to view images on a larger screen or transfer files.

- Connect the microscope to your computer via the USB-C cable.
- The microscope may appear as a removable disk drive. You can then access and transfer your media files.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microscope body. For the lens and screen, use a microfiber cloth specifically designed for optics. Avoid abrasive cleaners.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the lens cover is in place when not in use.

6. TROUBLESHOOTING

- **No Power:** Ensure the battery is charged. Connect the microscope to the USB-C charger.
- **Blurry Image:** Adjust the manual focus wheel on the side of the microscope until the image is clear. Ensure the subject is properly illuminated by adjusting the LED lights.
- **Cannot Save Photos/Videos:** Check if a Micro SD card is inserted correctly. If a card is present, it might be full; transfer files to a computer or delete unnecessary media.
- **Difficulty Connecting to PC:** Ensure the USB-C cable is securely connected to both the microscope and the computer. Try a different USB port or restart the computer.

7. SPECIFICATIONS

Feature	Specification
Screen Parameters	2.0" IPS
Pixels	2.0 Megapixels
Magnification Maximum	1000x
Focus Mode	Manual Focus
Light Source Type	8 LEDs
Battery Capacity	600mAh
Operating Time	Up to 2.5 hours
Charging Time	Approx. 2 hours
Item Weight	7.4 ounces
Material	Plastic

Model Name

inskam382

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Ashfly customer service directly. Keep your purchase receipt for any warranty claims.