

[manuals.plus](#) /› [Inskam](#) /› [Inskam 307 2MP 1000X LCD Digital Microscope User Manual](#)**Inskam 307**

# Inskam 307 2MP 1000X LCD Digital Microscope User Manual

Model: 307

Brand: Inskam

## 1. INTRODUCTION AND OVERVIEW

The Inskam 307 is a versatile 2-megapixel digital microscope equipped with a 4.3-inch LCD display, offering up to 1000X magnification. This device is designed for a wide range of applications, including detailed observation, inspection, and analysis of various objects. Its integrated screen allows for direct viewing without the need for an external monitor, while also supporting connection to a computer for larger display and data storage.

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Inskam 307 digital microscope to ensure optimal performance and longevity.



Figure 1: Front view of the Inskam 307 Digital Microscope, showing the LCD screen and control buttons.



Figure 2: The Inskam 307 Digital Microscope in use, examining a circuit board on its object stage.

### Key Applications:

- Jewelry identification and appraisal
- Electronic circuit board repair and inspection
- Insect observation and study
- Print inspection and quality control
- Currency authentication and examination
- Educational learning and exploration

# Scenes to be used



Figure 3: Visual representation of common usage scenarios for the Inskam 307 Digital Microscope.

## 2. PRODUCT COMPONENTS AND PARTS IDENTIFICATION

Familiarize yourself with the different parts of your Inskam 307 digital microscope using the diagram below. Understanding each component's function is crucial for proper operation.

**Compatible:** —



Mac



windows



4.3 inch HD display

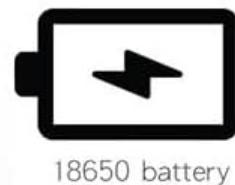
## LCD Digital Microscope



**HD**  
1080P



TF card



18650 battery



1000 X

Figure 4: Detailed diagram illustrating the various components of the Inskam 307 Digital Microscope.

1. **4.3" LCD Display:** The integrated screen for viewing magnified images.
2. **MicroTF Card Slot:** For inserting a microSD card to store captured images and videos.
3. **LED Brightness Dimmer:** Adjusts the intensity of the built-in LED illumination.
4. **Wheel C:** Used for adjusting the height of the microscope tube and locking the object stage.
5. **Wheel A:** Used for adjusting the height of the microscope tube and locking the object stage.
6. **Focusing Wheel (Wheel B):** Used for fine-tuning the focus of the image.
7. **Microscope Tube:** Contains the lens system.
8. **Object Stage:** The platform where the object to be observed is placed.
9. **Reset Hole:** Used to reset the device (requires a thin pin).
10. **DC 5V Input:** Power input port for charging or continuous operation.

### 3. SETUP GUIDE

Follow these steps to set up your Inskam 307 digital microscope for the first time.

# Operation guide

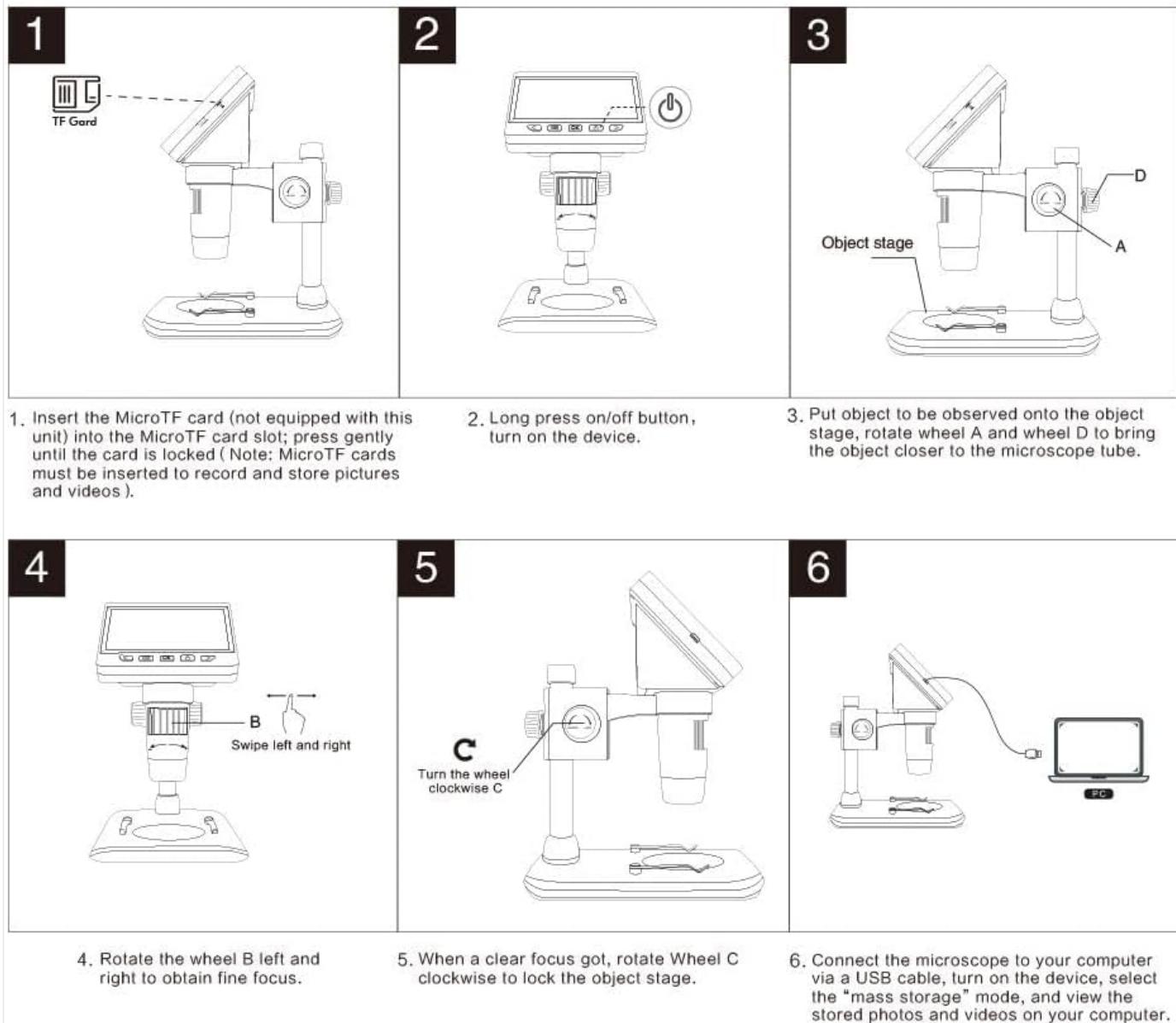


Figure 5: Step-by-step visual guide for setting up and operating the Inskam 307 Digital Microscope.

- 1. Insert MicroTF Card:** If you intend to record and store pictures and videos, insert a MicroTF card (not equipped with this unit) into the MicroTF card slot (2). Press gently until the card is locked. *Note: MicroTF cards must be formatted before first use.*
- 2. Power On:** Long press the on/off button (usually located near the display) to turn on the device. The LCD display will illuminate.
- 3. Place Object:** Place the object to be observed onto the object stage (8). Rotate Wheel A (5) and Wheel D (part of Wheel C, 4) to bring the object closer to the microscope tube (7).

## 4. OPERATING INSTRUCTIONS

Once set up, you can begin using your microscope for observation and capture.

- 1. Adjust Focus:** Rotate the Focusing Wheel (Wheel B, 6) left and right to obtain a clear and sharp image on the LCD display.
- 2. Lock Object Stage:** When a clear focus is achieved, rotate Wheel C (4) clockwise to lock the object stage in place,

preventing accidental movement.

3. **Adjust LED Brightness:** Use the LED brightness dimmer (3) to adjust the illumination level for optimal viewing of your specimen.
4. **Capture Images/Videos:** Refer to the on-screen menu and buttons (e.g., "OK" button) to navigate and select options for capturing still images or recording videos. Ensure a MicroTF card is inserted for storage.
5. **Connect to Computer:** To view stored photos and videos on your computer, connect the microscope to your computer via a USB cable. Turn on the device, select the "mass storage" mode from the menu, and your computer will recognize the microscope as an external drive.

## Compatibility:

The Inskam 307 is compatible with various operating systems when connected via USB for data transfer. It features its own 4.3-inch HD display for standalone use.



Figure 6: The Inskam 307 Digital Microscope is compatible with Mac and Windows operating systems, and features a built-in 4.3-inch HD display.

## 5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Inskam 307 digital microscope.

- Cleaning:** Use a soft, lint-free cloth to clean the LCD screen and the microscope body. For the lens, use a specialized lens cleaning solution and a microfiber cloth. Avoid abrasive cleaners or solvents.
- Storage:** Store the microscope in a dry, dust-free environment when not in use. Keep it away from direct sunlight and extreme temperatures.
- Battery Care:** If the device uses a rechargeable battery (e.g., 18650 type), ensure it is charged regularly, even if not in frequent use, to maintain battery health. Avoid fully discharging the battery for extended periods.
- Handling:** Always handle the microscope with care. Avoid dropping or subjecting it to strong impacts.

## 6. TROUBLESHOOTING

If you encounter issues with your Inskam 307, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power cable not connected.	Connect to power adapter and charge. Ensure power button is pressed long enough.
Image is blurry or out of focus.	Incorrect focus adjustment or object not positioned correctly.	Rotate the Focusing Wheel (Wheel B) to adjust. Ensure the object is flat on the stage and within the working distance.
Cannot save images/videos.	No MicroTF card inserted, card full, or card not formatted.	Insert a MicroTF card. Delete unnecessary files or format the card (this will erase all data).
Cannot connect to computer.	Incorrect USB mode selected or faulty cable/port.	Ensure "mass storage" mode is selected on the microscope. Try a different USB cable or port on your computer.
LED illumination is too dim or too bright.	LED brightness dimmer not adjusted.	Adjust the LED brightness dimmer (3) to the desired level.

## 7. SPECIFICATIONS

Technical specifications for the Inskam 307 Digital Microscope:

<b>Brand</b>	Inskam
<b>Model</b>	307
<b>Resolution</b>	2 Megapixels
<b>Magnification</b>	Up to 1000X
<b>Display</b>	4.3-inch HD LCD
<b>Power Input</b>	DC 5V
<b>Storage</b>	MicroTF Card Slot (card not included)
<b>Connectivity</b>	USB for PC connection
<b>UPC</b>	711067081399

### Product Dimensions:

# Product size

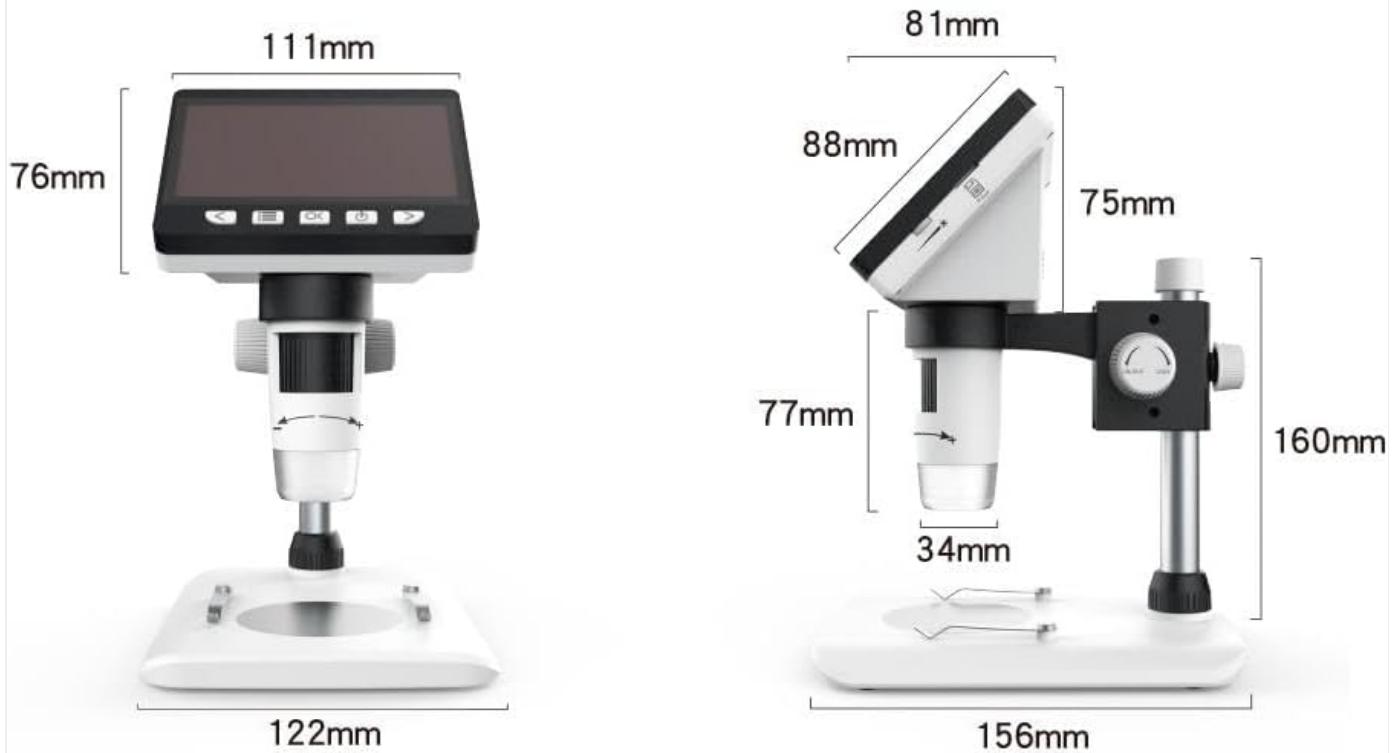


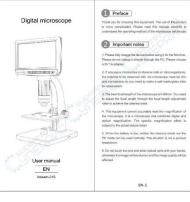
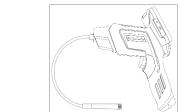
Figure 7: Dimensions of the Inskam 307 Digital Microscope.

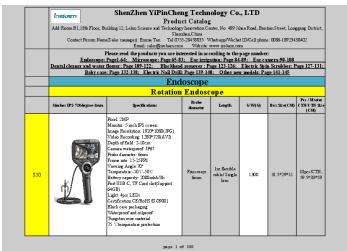
- Base Dimensions: Approximately 122mm x 156mm
- Display Unit Dimensions: Approximately 111mm x 76mm
- Overall Height: Approximately 160mm (adjustable)

## 8. WARRANTY AND SUPPORT

Inskam products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included in your product packaging or contact your point of purchase. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Inskam customer support through their official website or the contact information provided with your product.

	<p><a href="#"><b>Inskam 306 LCD Digital Microscope User Manual</b></a>  User manual for the Inskam 306 LCD Digital Microscope, covering setup, usage modes (Standard, PC, HDMI), charging, specifications, and troubleshooting.</p>
	<p><a href="#"><b>Inskam inskam-315 Digital Microscope User Manual &amp; Specifications</b></a>  Detailed user manual for the Inskam inskam-315 (MT315) digital microscope. Covers setup, operation, features, software installation for Windows/Mac, charging, specifications, and troubleshooting. Magnifies up to 2000X with a 7-inch display.</p>
 <p>Instrukcja obsługi Kamera inspekcyjna INSKAM-112</p>	<p><a href="#"><b>Instrukcja obsługi kamery inspekcyjnej INSKAM-112</b></a>  Kompletna instrukcja obsługi dla kamery inspekcyjnej INSKAM-112. Opisuje specyfikację, budowę, obsługę, ustawienia, ładowanie i warunki gwarancji.</p>
	<p><a href="#"><b>Inskam 401-B WiFi Oral Endoscope User Manual</b></a>  User manual for the Inskam 401-B WiFi oral endoscope, providing instructions for setup, operation, specifications, and troubleshooting. Features include HD video, adjustable LEDs, and mobile/PC connectivity.</p>
	<p><a href="#"><b>INSKAM Smart Detector with Screen User Manual - Features, Operation, and FAQ</b></a>  Detailed user manual for the INSKAM Smart Detector with Screen. Learn about its features, how to use it for ear, nasal, oral, and skin examinations, system requirements, software installation, and common troubleshooting tips.</p>
 <p>Inskam 5003B Endoskop mt 5" Display Gebrauchsanweisung Spartur ex. Diathermie</p>	<p><a href="#"><b>Inskam 5003B Endoscope with 5" Display User Manual</b></a>  Comprehensive user manual for the Inskam 5003B industrial endoscope camera with a 5-inch HD display. Covers product features, technical specifications, safety guidelines, operation, quick start, settings, troubleshooting, and accessories.</p>

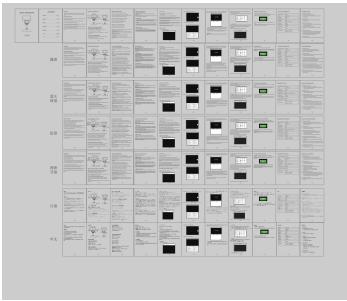


## [Shenzhen YiPinCheng Technology Co., LTD Product Catalog - Inskam, SUNUO, ANESOK](#)

Explore the comprehensive product catalog from Shenzhen YiPinCheng Technology Co., LTD, featuring a wide range of Inskam, SUNUO, and ANESOK brand electronic devices including endoscopes, microscopes, ear cameras, water flossers, and more. Discover detailed specifications and model information.

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#### DIGITAL MICROSCOPE User Manual CONTENTS

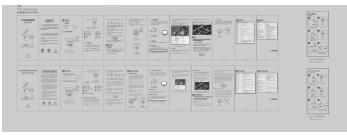
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