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› Jectse 5.0MP USB HD CMOS Microscope Camera Instruction Manual (Model Jectse8gkeymuzn3)

Jectse Jectse8gkeymuzn3

Jectse 5.0MP USB HD CMOS Microscope Camera

INSTRUCTION MANUAL

Model: Jectse8gkeymuzn3

1. Introduction

Thank you for choosing the Jectse 5.0MP USB HD CMOS Microscope Camera. This digital electronic camera is designed to convert traditional microscopes into electronic microscopes, enabling real-time image viewing, video recording, and measurement functions on a computer or monitor. It features a 5.0MP sensor, high resolution (2592 x 1944), and a standard USB2.0 interface for easy connectivity.



Figure 1: Front view of the Jectse 5.0MP USB HD CMOS Microscope Camera.

This product offers simple installation, great versatility, and rich functionality, making it suitable for various applications including microelectronics, molds, jewelry, watches, fingerprint identification, ticket identification, printing, mobile phone repair, archaeology, biological anatomy, and educational settings.

2. Package Contents

Please verify that all the following items are included in your package:

- 1 x Jectse 5.0MP USB Industrial Camera
- 1 x USB Data Cable
- 1 x 0.5x C-mount Adapter
- 1 x 30mm Adapter
- 1 x 30.5mm Adapter
- 1 x CD (Measurement and Video Software)

Cámara para Microscopio

Esta cámara puede conectarse a un microscopio tradicional

Instalación simple, gran versatilidad y funciones abundantes



Figure 2: The microscope camera with included adapters, ready for installation.

3. Setup Instructions

Follow these steps to set up your Jectse microscope camera:

1. **Unpack the Camera:** Carefully remove all components from the packaging.
2. **Attach the Appropriate Adapter:**
 - For microscopes with a C-mount port, attach the 0.5x C-mount adapter to the camera.
 - For microscopes with 30mm or 30.5mm eyepiece tubes, select the corresponding adapter and attach it to the camera.
3. **Install the Camera on the Microscope:** Insert the camera (with the attached adapter) into the eyepiece tube or C-mount port of your traditional microscope. Ensure it is securely seated.

4. **Connect to Computer:** Connect one end of the provided USB data cable to the camera's USB port and the other end to an available USB 2.0 port on your computer.
5. **Install Software:** Insert the included CD into your computer's CD-ROM drive. Follow the on-screen instructions to install the measurement and video software. If your computer lacks a CD drive, please contact Jectse support for software download options.
6. **Launch Software:** Once the software installation is complete, launch the application. The camera feed should appear on your screen.



Figure 3: The camera properly installed on a microscope.

4. Operating Instructions

The Jectse microscope camera, in conjunction with its dedicated software, provides various functionalities:

- **Real-time Image Viewing:** Once the camera is connected and the software is running, you will see a live feed from your microscope on your computer screen. Adjust the microscope's focus and lighting for optimal clarity.
- **Image Capture:** Use the software interface to capture still images of your microscopic observations. Refer to the

- software's help documentation for specific controls and settings (e.g., resolution, exposure).
- **Video Recording:** The software allows you to record video footage of your observations. This is useful for dynamic processes or presentations.
 - **Measurement Functions:** The included software typically offers tools for basic measurements (e.g., length, area) directly on the captured images or live feed. Calibrate the software according to your microscope's magnification for accurate measurements.

For detailed instructions on using specific software features, please consult the software's built-in help guide or user manual.

5. Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your microscope camera:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the camera. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the camera in a clean, dry, and dust-free environment. Use the original packaging or a protective case if available.
- **Handling:** Handle the camera with care. Avoid dropping it or subjecting it to strong impacts.
- **Environmental Conditions:** Operate and store the camera within the specified working temperature range of 0-60 degrees Celsius. Avoid extreme humidity.

6. Troubleshooting

If you encounter issues with your Jectse microscope camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image displayed on screen.	Camera not properly connected. Software not installed or running. Incorrect USB port used.	Ensure USB cable is securely connected to both camera and computer. Verify software is installed and launched. Try a different USB 2.0 port on your computer.
Software fails to install or launch.	Incompatible operating system. Corrupted installation files.	Check software requirements for operating system compatibility (e.g., Windows 10/11 are generally supported). Re-download software if possible, or try installing from the CD again.
Poor image quality (blurry, dark).	Microscope not in focus. Insufficient lighting. Software settings incorrect.	Adjust the focus knob on your microscope. Increase the microscope's illumination. Adjust exposure, brightness, and contrast settings within the camera software.

If the problem persists, please refer to the software's detailed help documentation or contact Jectse customer support.

7. Specifications

Feature	Detail
Sensor	5.0MP, 1/2.5 inch CMOS
High Resolution	2592 x 1944
Frame Rate (MJPG)	2592x1944 @ 12 FPS 2048x1536 @ 15 FPS 1920x1080 @ 15 FPS 1600x1200 @ 15 FPS 1280x720 @ 15 FPS 1280x960 @ 15 FPS 1024x768 @ 30 FPS 800x600 @ 30 FPS 640x480 @ 30 FPS
Pixel Size	2.2μm x 2.2μm
Data Interface	Standard USB 2.0
Support Interface	DirectShow, TWAIN, SDK
Working Temperature	0-60 degrees Celsius
Lens Compatibility	C or CS interface
Material	ABS Plastic
Maximum Magnification	400X (when combined with microscope optics)
Power Source	USB Cable
Model Number	Jectse8gkeymuzn3

Los modelos nuevos y antiguos se envían aleatoriamente



Tipo Nuevo

Tipo Antiguo

Figure 4: Illustration of potential variations in USB port design (New Type vs. Old Type).

8. Warranty and Support

Jectse products are designed for quality and reliability. For specific warranty information regarding your 5.0MP USB HD CMOS Microscope Camera, please refer to the documentation included with your purchase or visit the official Jectse website.

For technical support, software updates, or any inquiries, please contact Jectse customer service through their official channels. You can often find support information on the [Jectse Brand Store](#) or their official website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question