

Clear Touch DC110

Clear Touch DC110 HD Document Camera Instruction Manual

Model: DC110

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Clear Touch DC110 HD Document Camera. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The Clear Touch DC110 is designed to project objects and text clearly, enhancing classroom and presentation environments. It features an integrated LED light and offers capabilities such as zooming, annotating, and rotating content when connected to compatible display systems.

2. SETUP

2.1 Unpacking the Device

Carefully remove all components from the packaging. Verify that all items listed below are present:

- Clear Touch DC110 HD Document Camera
- Power Adapter
- USB Cable
- HDMI Cable (if included)
- Quick Start Guide

2.2 Connecting the Document Camera

1. **Power Connection:** Connect the power adapter to the DC110's power input port and then plug the adapter into a standard electrical outlet.
2. **USB Connection:** Connect the USB cable from the DC110 to an available USB port on your computer or Clear Touch panel. This connection enables data transfer and control.
3. **Video Output (Optional):** If connecting directly to a display without a computer, use an HDMI cable (if

applicable) to connect the DC110's HDMI output port to the HDMI input of your display or projector.

Image 2.1: DC110 Connection Diagram



This image illustrates the various connection points on the Clear Touch DC110, including the power input, USB port for computer connection, and HDMI output for direct display connection. The camera arm is shown in an upright position.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

- To power on the DC110, press the power button located on the base of the unit. The LED indicator will illuminate.
- To power off, press and hold the power button until the LED indicator turns off.

3.2 Adjusting the Camera

- **Camera Arm:** Gently extend or retract the camera arm to adjust the height and angle of the camera lens over your subject.
- **Focus:** The DC110 features an auto-focus function. For manual adjustment, use the focus ring on the

camera lens (if present) or the software controls.

- **Zoom:** Use the zoom buttons on the camera base or the accompanying software to zoom in or out on your subject.
- **Rotation:** The camera head can be rotated to adjust the orientation of the projected image. Software controls may also offer digital rotation.

3.3 Using the LED Light

The integrated LED light provides additional illumination for your documents or objects. Press the light button on the camera base to toggle the LED light on or off.

3.4 Software Integration and Features

When connected to a computer or Clear Touch panel, utilize the dedicated Clear Touch software (or compatible third-party software) to access advanced features:

- **Live View:** Display the camera feed in real-time.
- **Annotation:** Draw, highlight, and write directly on the live image.
- **Image Capture:** Take still images of the projected content.
- **Video Recording:** Record video of the projected content.
- **Image Adjustments:** Control brightness, contrast, exposure, and color settings.

Image 3.1: DC110 in Operation



This image shows the Clear Touch DC110 document camera in an active state, with its camera arm extended and the LED light on, capturing a document placed on the base.

4. MAINTENANCE

4.1 Cleaning the Device

- Ensure the device is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces of the camera.
- For the camera lens, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use abrasive cleaners or solvents.

4.2 Storage

When not in use, retract the camera arm to its folded position. Store the DC110 in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it free from dust and moisture.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **No Image Displayed:**

- Check if the DC110 is powered on and the LED indicator is lit.
- Verify all cables (power, USB, HDMI) are securely connected.
- Ensure the correct input source is selected on your display or computer software.
- Restart your computer and the DC110.

- **Poor Image Quality:**

- Adjust the camera's focus.
- Ensure adequate lighting. Use the built-in LED light if necessary.
- Clean the camera lens if it appears smudged.
- Check the resolution settings in your software.

- **Device Not Recognized by Computer:**

- Ensure the USB cable is properly connected to both the DC110 and the computer.
- Try a different USB port on your computer.
- Install or update the necessary drivers or software for the DC110.
- Restart your computer.

6. SPECIFICATIONS

The following table outlines the key specifications for the Clear Touch DC110 HD Document Camera:

Feature	Specification
Model	DC110
Video Capture Resolution	1080p
Color	Black
Exposure Control Type	Manual
Shooting Modes	Manual
Macro Focus Range	1-10 cm
Item Weight	8 pounds
Manufacturer	Clear Touch

7. WARRANTY INFORMATION

Clear Touch products are covered by a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the warranty card included with your product or visit the official Clear Touch website. Keep your proof of purchase for warranty claims.

8. SUPPORT

If you encounter issues that cannot be resolved using the troubleshooting guide, or if you require further assistance, please contact Clear Touch customer support. Support contact information can typically be found on the Clear Touch website or in the quick start guide provided with your product.
Before contacting support, please have your product model (DC110) and a description of the issue ready.