

R I M A G E[®]

Camera Calibrator

Version 9.5



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Introduction

The *Rimage Camera Calibrator* application allows users to calibrate and focus the Disc Imaging Camera or take a snapshot of a disc label.

For information specific to the Catalyst 6000N, refer to the user guide found on the User Guide Disc included with the 6000N system or at <https://www.rimage.com/support>. From the Support page select: **Autoloader & Printer Support > User Guides** section.

For information specific to the Everest Encore printer, refer to the *Rimage Everest Encore Printer User Guide* found on the User Guide Disc included with the Everest Encore printer or at <https://www.rimage.com/support>. From the Support page select: **Autoloader & Printer Support > User Guides** section.

Important! Your Rimage Catalyst system may not look exactly like the model featured in this user guide.

About this User Guide

- Unless otherwise indicated, all Windows navigation statements are Windows 10 paths. Other Windows operating system navigation may differ slightly.
- These notes and symbols are used throughout the manual to help clarify information:

Tip: A Tip suggests alternative methods that may not be obvious and helps you understand the benefits and capabilities of the product.

Important!

- An Important note provides information essential to the completion of a task.
 - Important supplemental information.
 - You can disregard information in a Tip and still complete a task, but do not disregard an important note.
-

About the Camera Calibrator

Rimage Camera Calibrator is part of the Rimage Evidence Disc System and Rimage Copy Station products. It is used to calibrate the camera that is in the Rimage System. The Calibration is done using pre-printed discs that are included with the system. It is part of the Rimage Solutions series of products.

Technical Support

Rimage offers a variety of service and support options for the EDS Rimage Catalyst 6000N, including exchange services, software subscriptions, and technical support. Please contact your Rimage Value Added Reseller or Rimage for additional information and pricing.

For more information specific to the Catalyst system or the Everest Encore printer, refer to the Support Home Page found at <https://www.rimage.com/support>.

Technical Specifications for this product can be found at <https://www.rimage.com/support>. From the Support page select: **Series Name > Product > User Manuals** tab.

Support Contact Information

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Contact Rimage Services	
Website: www.rimage.com	
When you contact Rimage Services, please provide: <ul style="list-style-type: none"> System serial number and software version Functional and technical description of the problem Exact error message received 	Copy this information from your Rimage product for future reference. Note: <i>Make sure you update the Serial Number here anytime you receive a replacement</i>
	Serial Number:
	Product Name:
	Date of Purchase:

Learn More Online

At www.rimage.com/support, you can experience Rimage’s world-class support and services.

From the Support home page: <ol style="list-style-type: none"> Select your product series. Select your product. Learn more on the product page. 	From your product page you can access: <ul style="list-style-type: none"> Information about the latest software and firmware updates Product specifications The latest documents Current firmware and driver downloads
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Optical Disc Recording Software Disclaimer

This product, software, or documentation may be designed to assist you in reproducing material to which you own the copyright or have obtained permission to copy from the copyright owner. Unless you own the copyright or have permission to copy from the copyright owner, you may be violating copyright law and be subject to payment of damages and other remedies. If you are uncertain about your rights, you should contact your legal advisor. If you are neither in possession of the copyright nor have authorization from the owner of the copyright, unauthorized copying of copyrighted material on an optical disc or any other media violates national and international legislation and can result in severe penalties.

Camera Calibrator Overview

Your Rimage System comes fully set up and ready to go, but like any precise equipment the camera in your system may have to be calibrated from time to time especially with heavy use. This program makes it easy to set up the camera for taking pictures of discs that are used by the solutions.

Prepare the System

Select and load a disc to calibrate the camera or to take a disc label snapshot.

Select the Test Disc

Select one of the following discs. A test disc must be used to focus the camera. The discs are different depending on if you are manually or automatically focusing the camera.

Automatic Focus

To automatically set the focus, you must use the AutoFocus Test Disc (part number 3001427) included with the system or create a test disc with the AutoFocusTest.btw label found at:

Users running 64bit Windows 7 or Windows 8:

C:\Program Files(x86)\Rimage\EDS Users running 32bit

Windows 7 or Windows 8:

C:\Program Files\Rimage\EDS

Manual Focus

To manually set the focus, you must use the Manual Focus Test Disc (part number 3001428) included with the system or create a test disc with the ManualFocusTest.btw label found at:

Users running 64bit Windows 7 or Windows 8:

C:\Program Files(x86)\Rimage\EDS Users running 32bit

Windows 7 or Windows 8:

C:\Program Files\Rimage\EDS

Disc for Label Snapshot

Select the appropriate disc to photograph the label. This could be useful for cataloging images of discs for later use. Do not use a disc with a picture or graphic on it to calibrate or focus the camera. Instead, use one of the test discs provided.

Start the Application

Tip: At any time, select the back arrow to return to the previous screen.

1. Start the *Camera Calibration* application. Select:

Users running 64bit Windows 7 or Windows 8:

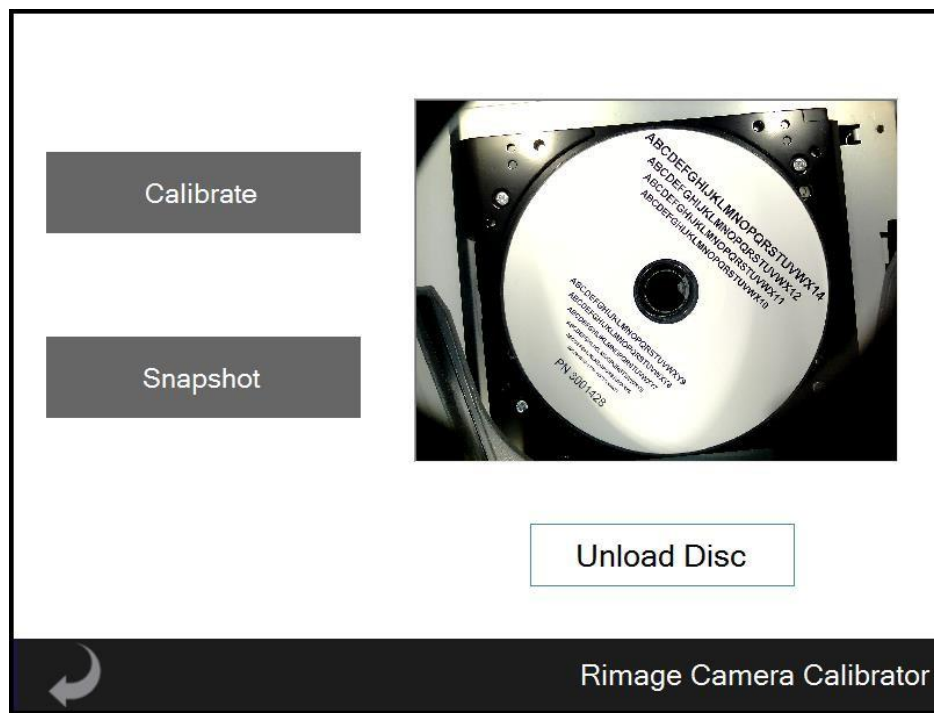
C:\Program Files(x86)\Rimage\EDS\CameraCalibrator.exe Users running 32bit

Windows 7 or Windows 8:

C:\Program Files\Rimage\EDS\CameraCalibrator.exe

You can also start the utility from the Windows Start menu by selecting:

Start\All Programs\Rimage\CameraCalibrator



2. Select *Calibrate* to calibrate and focus the camera

OR

Select **Snapshot** to take a snapshot of the disc label.

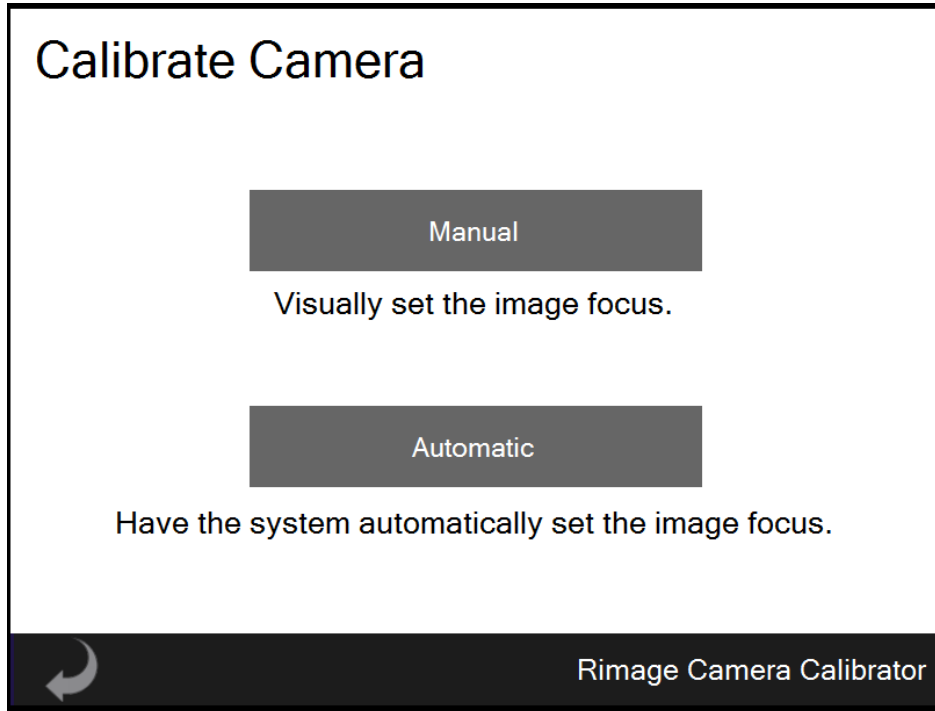
3. Refer to the *following* sections for instructions on calibrating and focusing the camera or taking a snapshot.

Calibrate the Disc Imaging Camera

While running a Recovery Disc on the Rimage Disc Copy Station or Evidence Disc System (EDS), the integrated camera needs to be recalibrated and refocused. Use these instructions to test, calibrate and focus the camera installed on the Rimage Producer 8100N or 8200N or the Professional 5400N or 5410N autoloader.

Setting the Focus Automatically or Manually

On the Camera Calibrator main screen, select **Calibrate** to display the calibration screen:



The choices on this screen are:

Manual to visually set the image focus.

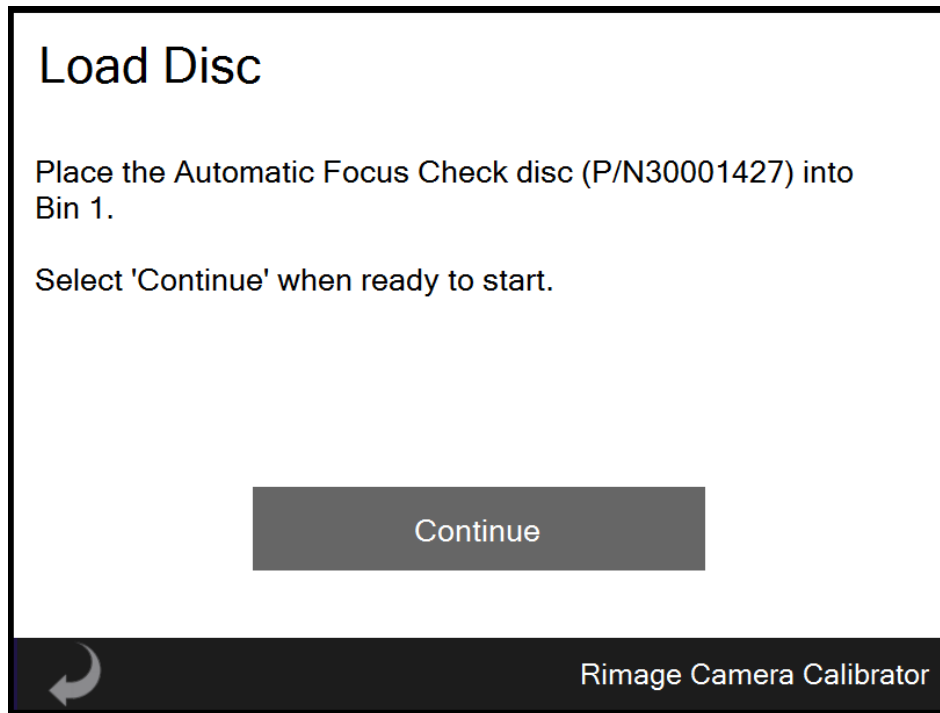
OR

Automatic to have the system automatically set the image focus.

Setting the Focus Automatically

1. Select **Automatic** from the Calibrate Camera screen.

If a disc is not loaded in the recorder the *Load Disc* screen displays:



2. Open the autoloader **door**.

Place the **disc** selected in *Preparing the System* in Bin 1 of the autoloader.

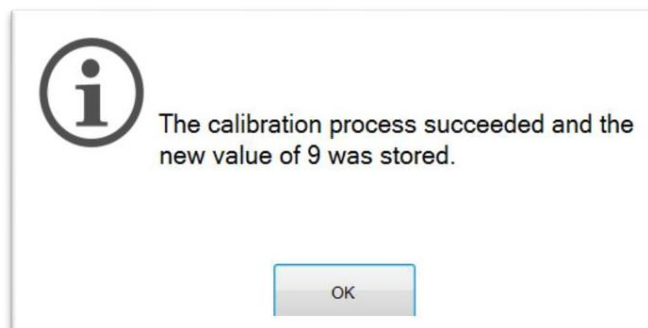
Important! Make sure that you use the **AutoFocus Test Disc** (part number 3001427) included with the system, or create a test disc with the AutoFocusTest.btw label found at:

3. Close the **door**.
4. Select **Continue**.

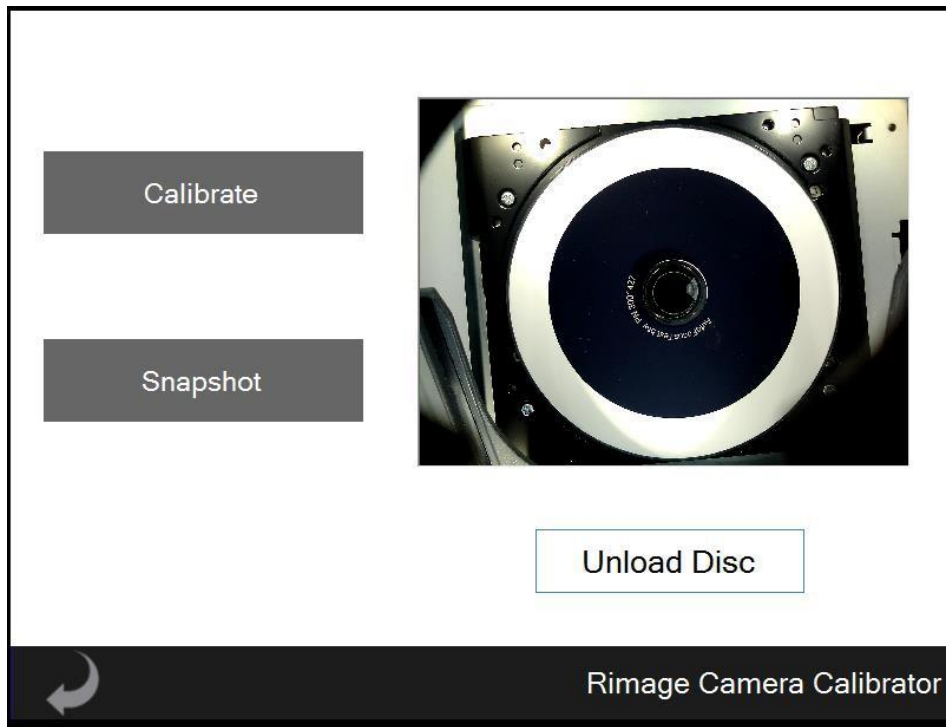
The *Load Disc* screen closes and the autoloader moves the disc from the input bin to the printer. You will see the disc loading in the view on the screen.

The *Focus Check* screen displays with a note stating that this test automatically takes pictures at different camera focus settings and takes up to two minutes to complete. Select **Continue**.

When the test is complete, the system automatically selects the picture that seems sharpest and displays a message that the calibration is complete.




5. Select **OK** to close the completed message screen. The *Camera Calibrator* screen displays.



6. Select **Unload Disc**. The disc is placed in Bin 1.

7. Select **Load Disc** to load a new disc for use.

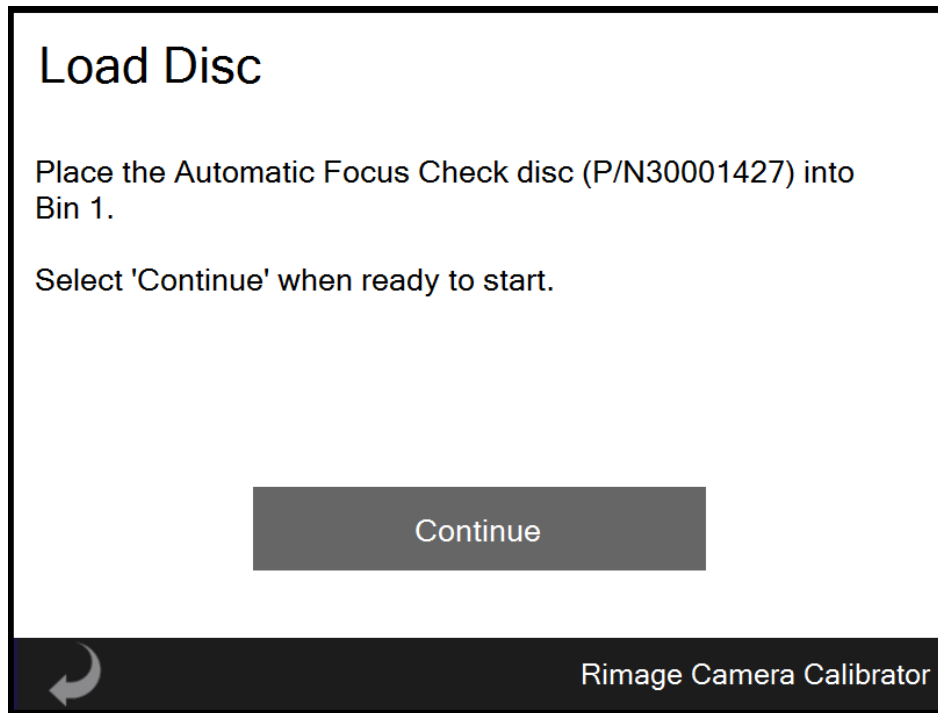
OR

Click the  arrow to exit the program.

Setting the Focus Manually

1. Select **Manual** from the Calibrate Camera screen.

If a disc is not loaded in the recorder the *Load Disc* screen displays:



2. Open the autoloader **door**.

Place the **disc** selected in *Preparing the System* in Bin 1 of the autoloader.

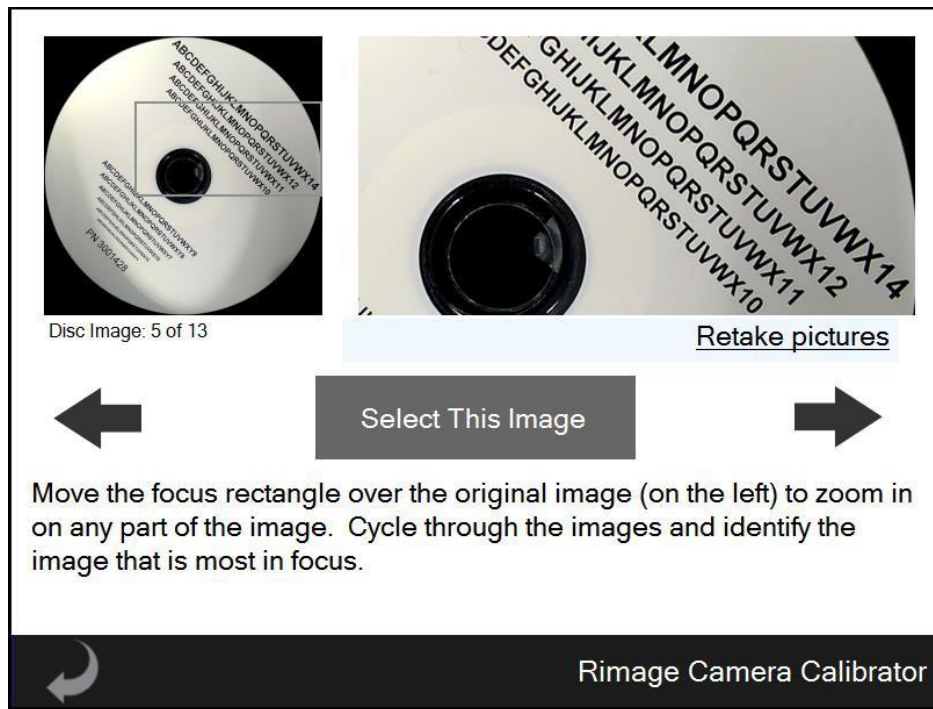
Important! Make sure that you use the **Manual Focus Test Disc** (part number 3001428) included with the system or create a test disc with the ManualFocusTest.btw label found at

3. Close the **door**.
4. **Select Continue.**

The *Load Disc* screen closes and the autoloader moves the disc from the input bin to the printer.

The *Focus Check* screen displays with a note stating that this test takes pictures at different camera focus settings and takes up to two minutes to complete. Select **Continue**.

5. **When** the process is complete, the **Select Image** screen is displayed. From this screen you can *manually* select the image that appears to be the most in focus:



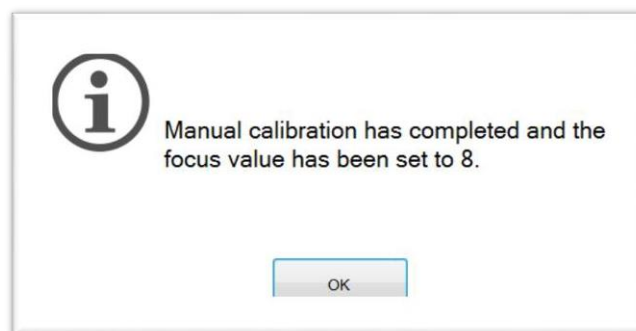
6. Select the **Right** and **Left** arrows to move forward and backwards through the images until the best image is shown in the larger window on the right.

Select the **Right** arrow to move to the image taken at the next highest focus setting. The image displayed gets sharper as the button is selected, then begins to become less sharp as the optimum focus is passed.

Select the **Left** arrow to move to the image taken at a lower focus setting.


Tip: You can change the view of the disc by clicking in the smaller window on the left. The small rectangle shows the area that will be enlarged.

7. Select the **Select This Image** button when the best image is displayed. The system records the setting as the default focus setting. The completion screen will be displayed:



8. Select OK and the main Camera Calibrator screen is redisplayed.
9. Select **Unload Disc**. The disc is placed in Bin 1.
10. Select **Load Disc** to load a new disc for use.

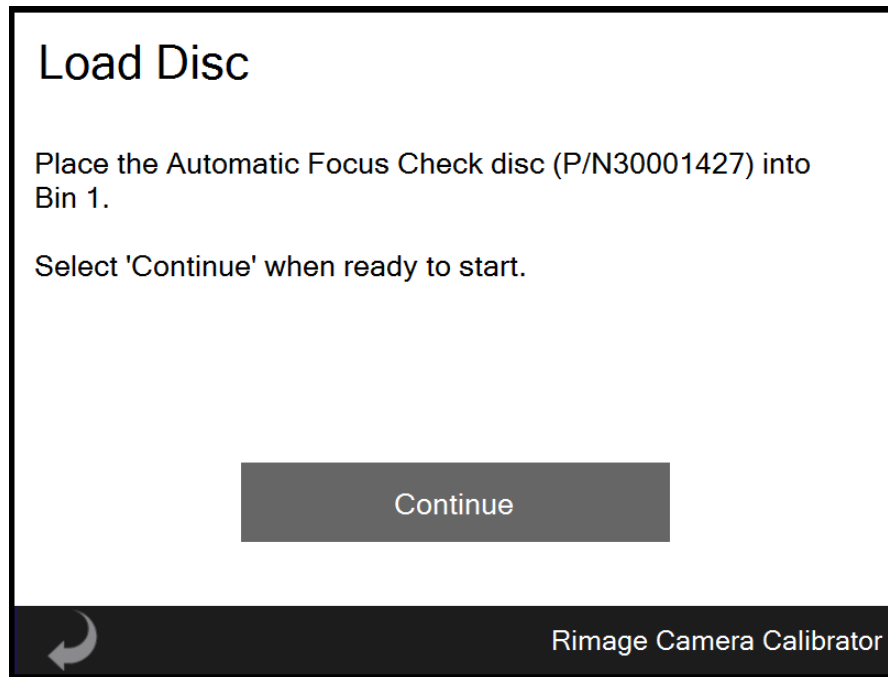
OR

Click the  arrow to exit the program.

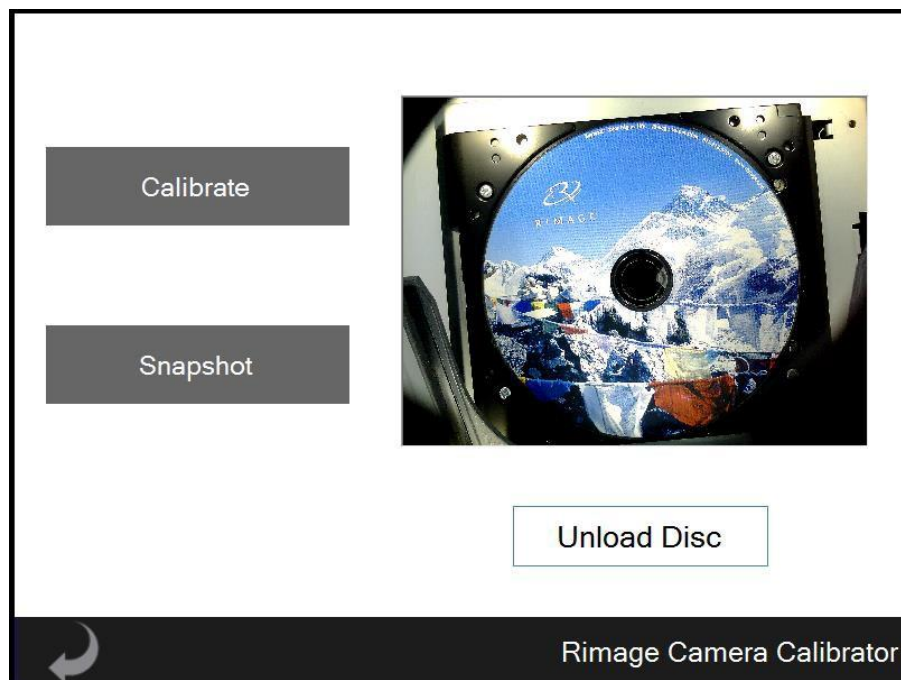
Take a Disc Label Snapshot

Tip: All snapshots are stored at **C:/Documents and Settings/Administrator/My Documents/My Pictures/CameraTest#.jpg**.

1. Select **Load Disc** from the *Camera Utility* screen.




2. The Load Disc screen displays. Place **the disc** you want to photograph in Bin 1.
3. Select **Continue**. The disc is loaded on the printer tray. The Camera Calibrator main screen displays. You will see your disc in the view window on the screen.



4. Select **Snapshot**. The system displays a message saying it is “**Taking snapshot** of the current disc. When the snapshot is taken a message displays with the path and name of the photo.
5. Select **OK**. The Camera Calibrator screen redisplay.
6. Select **Unload Disc**. The disc is placed in Bin 1.
7. **Select Load Disc** to load a new disc for use.

OR

Select  to exit the program.