

Precautions

- *Please refer to the online help for instructions on software set-up, system calibration, and detailed operations.
- *This Guide details the basic operations of OLYMPUS Stream Start and OLYMPUS Stream Basic utilizing a BX51M (manual upright microscope) and a DP21 digital color camera.
- *Microsoft Word and Microsoft Excel for OLYMPUS Stream Basic or higher are required separately.

Introduction

Basic Functions

Live observation

P2

Image capture

P3

Saving an image

P3

Measurement

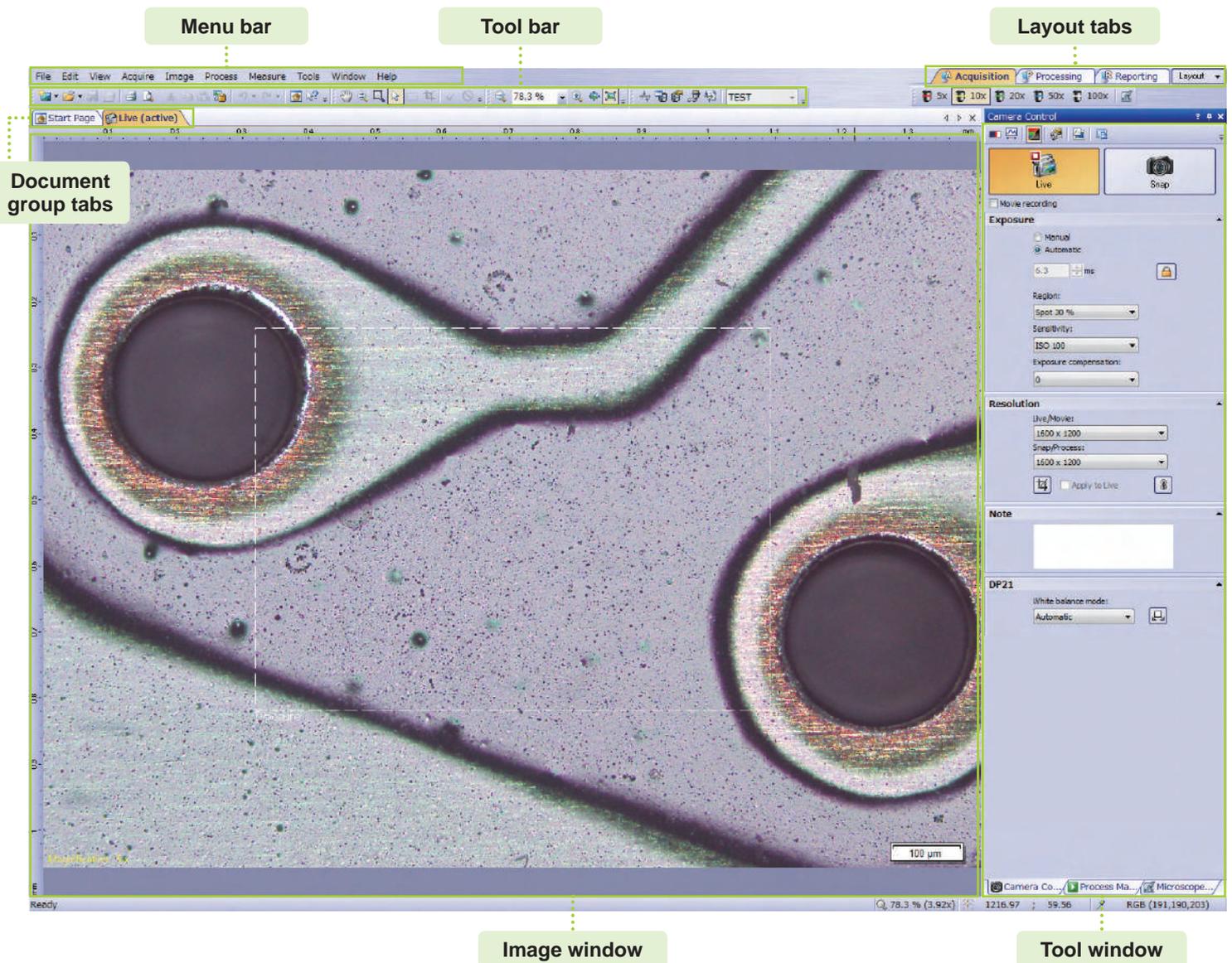
P4

Reporting

P5

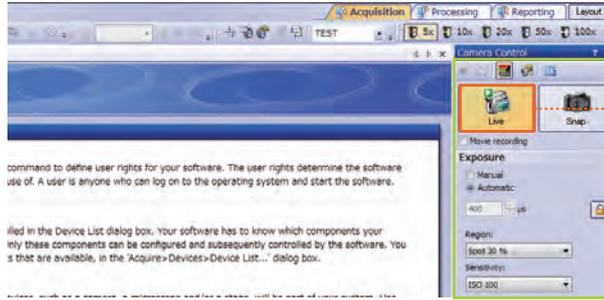
! Reporting function is not available in OLYMPUS Stream Start.

Screen Layout



Live Observation

1 <Starting Live Observation>



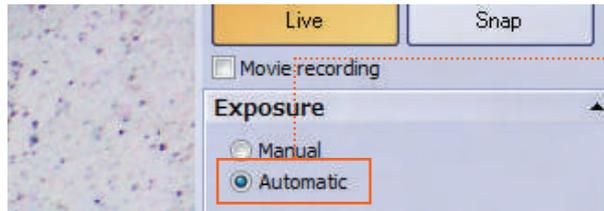
! Before beginning live observation, adjust the focal point by visually checking the specimen through the eyepieces.

Click the [Live] button.

Camera Control tool window

If the [Camera Control] tool window does not appear, select [View] > [Tool Windows] > [Camera Control].

2 <Selecting the Exposure Mode>



Select [Automatic].

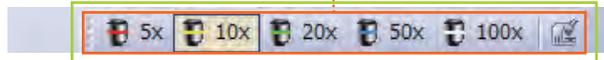
Exposure time will be adjusted automatically.

3 <Setting the White Balance Mode>



Select an appropriate mode. (For details on the settings, refer to the online help.)

4 <Configuring the Microscope Control Tool Bar>



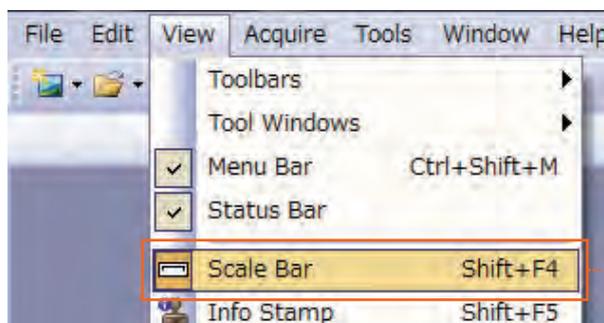
Select the magnification you use.

A magnification difference between the objective lens and the [Microscope Control] Tool Bar causes the [Scale Bar] to incorrectly appear.

Microscope Control tool window

If the [Microscope Control] Tool Bar does not appear, select [View] > [Tool Bar] > [Microscope Control]

5 <Opening the Scale Bar Dialog>



Select [View] > [Scale Bar]



The Scale Bar is displayed.

Tip 1

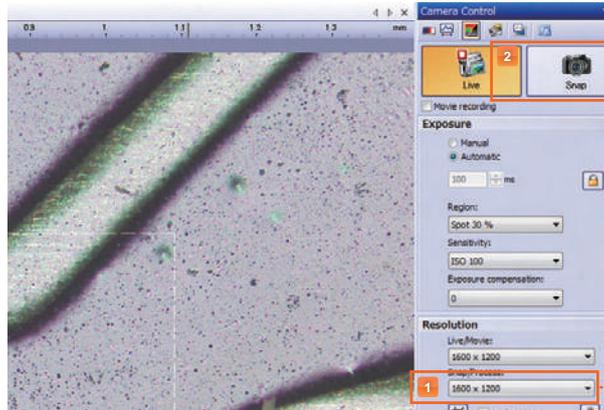
Zooming In/Out an Image with the Mouse Wheel

Tip 2

Adjusting the Focal Point with the Focus Indicator

Image Capture

<Defining the Resolution of an Image and Capturing It>



1 Select [Resolution].

2 Click the [Snap] button.

The image is captured.

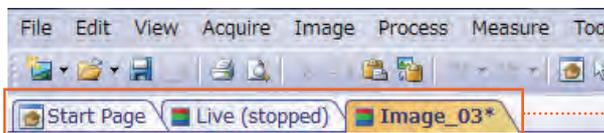


Image tab

The new document tab is added to the document group tab area.

Saving an Image

1 <Selecting a Document to Be Saved>

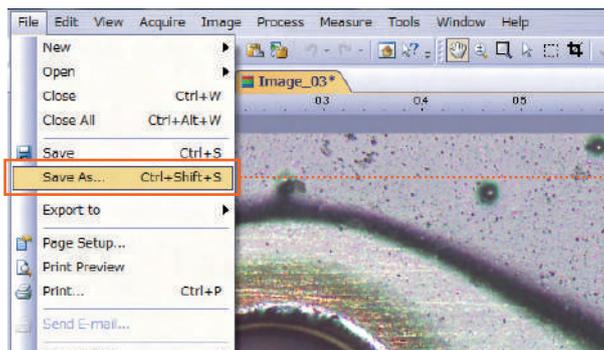


Click the tab of an image to be saved.



A live image cannot be saved.

2 <Opening the Save Image As Dialog>



Select [File] > [Save As].

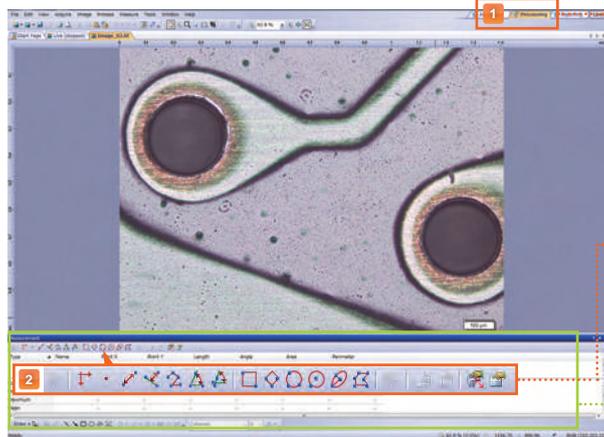
- To save the file by overwriting the old one, click (Save) on the toolbar.
- Specifying [Destination], [Name] and [Type of the File] and Saving It.
- It is possible to call up saved images by clicking (Open File).

Tip 3

Saving an Image to a Predefined Folder

Measurement

1 <Switching the Layout and Selecting a Measurement Item>



1 Click the [Processing] tab.

The [Measurement] tool window appears at the bottom of the screen.

2 Select an item from the [Measurement] tool window.

Measurement tool window

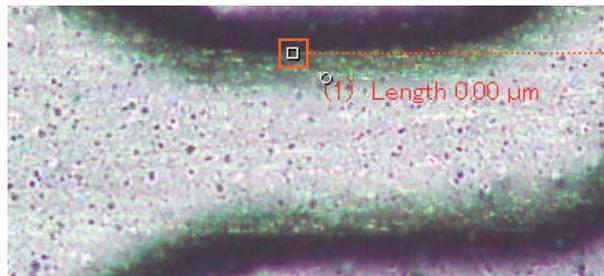
If the [Measurement] tool window does not appear, select [View] > [Tool Windows] > [Measurement].

2 <Measuring>
e.g.[Arbitrary Line]



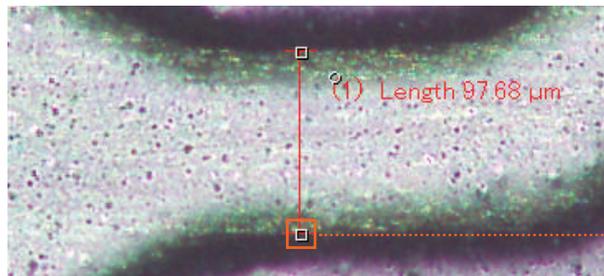
Click (Arbitrary Line).

3 <Specifying the Start Point>



Click the start point.

4 <Specifying the End Point>



Move the mouse to the end point and click it.



- Measurement result will be displayed.
- To delete the measurement result, select the measurement result and click the [Delete] button on the keyboard.

5 <Exporting Measurement Result to Excel or Workbook>



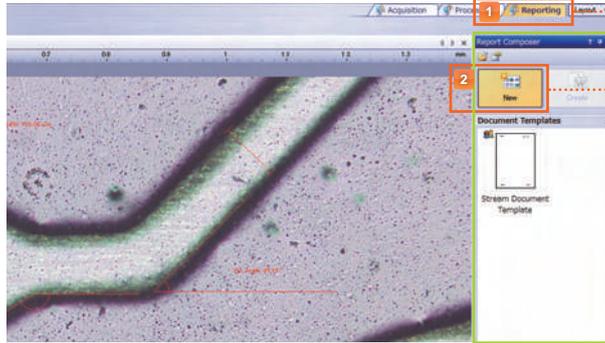
! OLYMPUS Stream Start cannot export measurement result to Excel or a Workbook.

When exporting to Excel file, click (Export to Excel) .

When exporting to Workbook, click (Export to Workbook) .

Reporting

1 <Switching the Layout and Starting Report Instruction>



! Reporting is not available in OLYMPUS Stream Start.

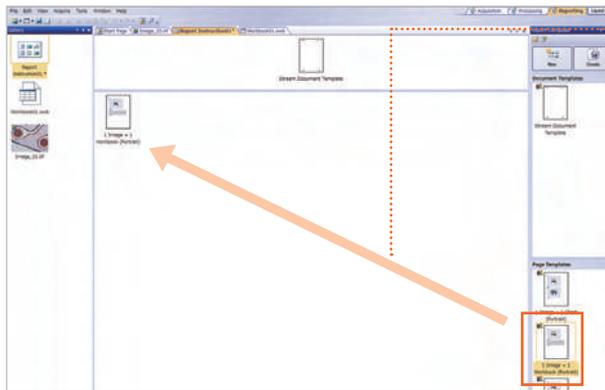
1 Click the [Reporting] tab.

2 Click the [New] button.

Report Composer tool window

If the [Report Composer] tool window does not appear, select [View] > [Tool Windows] > [Report Composer].

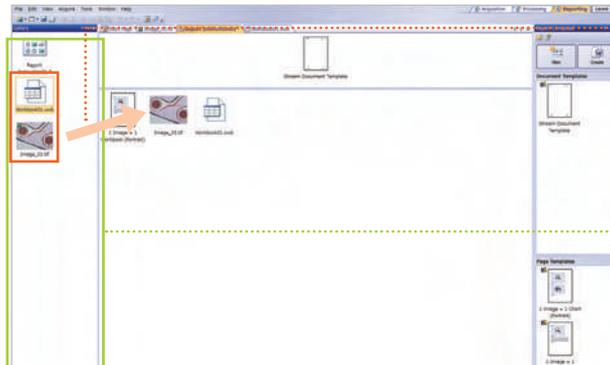
2 <Selecting a Template from the Page Templates Pane>



Select, drag and drop a desired template.

- Create a report by combining images, charts and workbooks.
- The following page templates are available. Other templates can be created according to your requirements:
 - 1) 1 Image + 1 Chart
 - 2) 1 Image + 1 Workbook
 - 3) 2 Images
 - 4) 3 Images
 - 5) 4 Images

3 <Selecting Images and Charts from the Gallery tool Window>



Select, drag and drop required images and workbooks.

- Make sure that the images and workbooks are placed on the right side of the selected template.
- Choose the images and workbooks as many as necessary for the template.

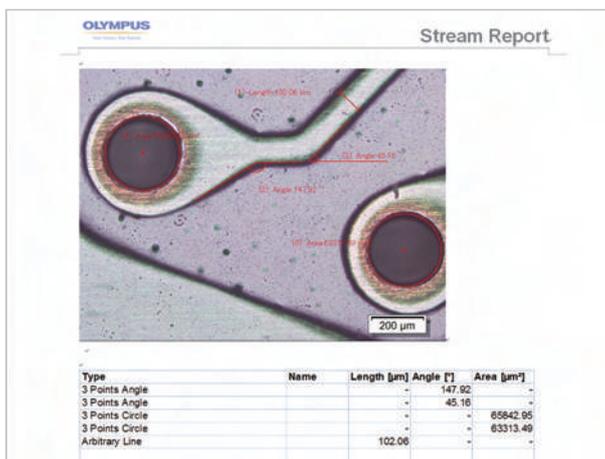
Gallery tool window

If the [Gallery] tool window does not appear, select [View] > [Tool Windows] > [Gallery].

4 <Creating a Report>

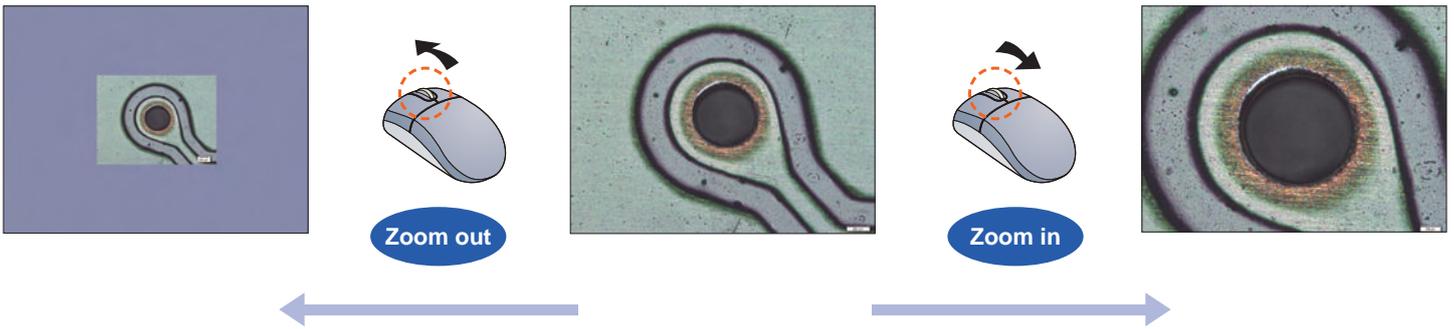


Click the [Create] button.



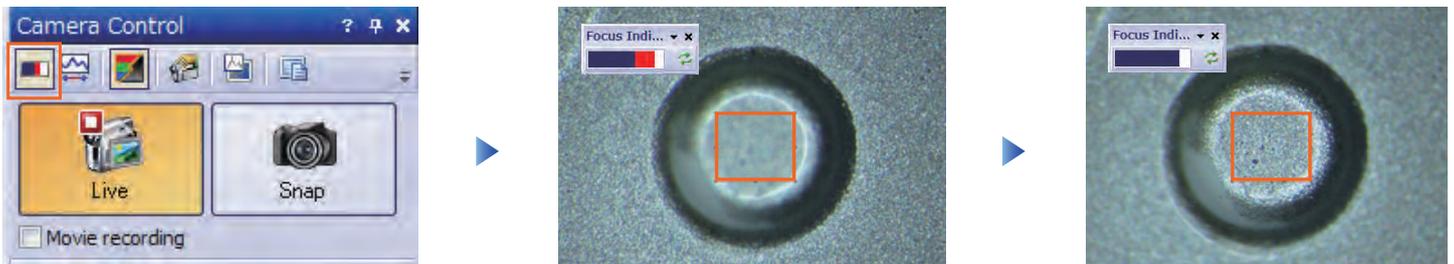
- A report is displayed.
- By double clicking the images on the Word document, the report can be edited.

Tip 1 Zooming In/Out an Image with the Mouse Wheel



- To change the display position of a zoomed-in image larger than the image window, click (Pan) and drag the image up/down/left/right.
- To check the display position of a zoomed-in/out image with the [Image Navigator], select [View] > [Tool Windows] > [Image Navigator].

Tip 2 Adjusting the Focal Point with the Focus Indicator



Click (Focus Indicator).

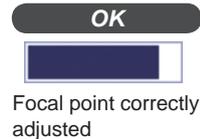
- An indicator appears on the upper left of the screen.
- You can define an area of interest for the focus indicator.

While checking the status of the indicator, adjust the focal point by turning the coarse/fine adjustment knob.

<<Focus Indicator>>

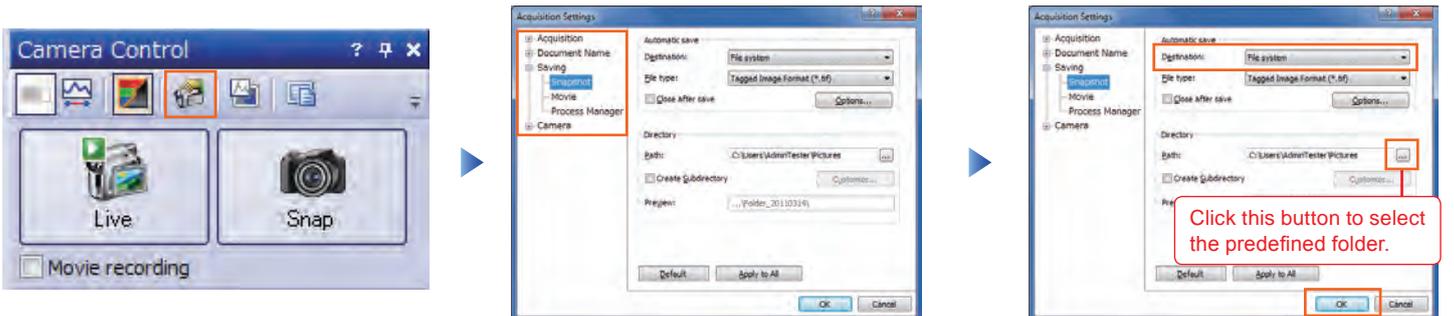


- Turn the coarse/fine adjustment knob so that the red part may become smaller.
- The status with no red part means that the focal point is correctly adjusted.



Tip 3 Saving an Image to a Predefined Folder

By performing the following operations, it is possible to save the snapshots automatically to a predefined folder.



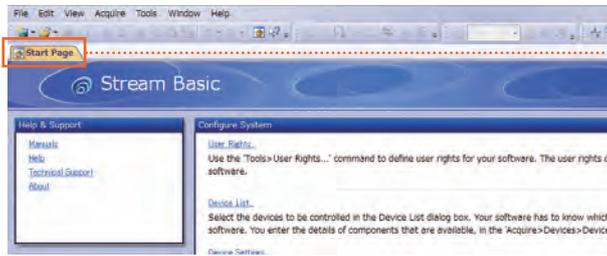
Click (Acquisition Settings) on the [Camera Control] tool window.

Select [Saving] > [Snapshot].

- Select [File system] in the [Destination] list.
- In the [Path] field, select a destination to save the snapshot.
- Click the [OK] button.

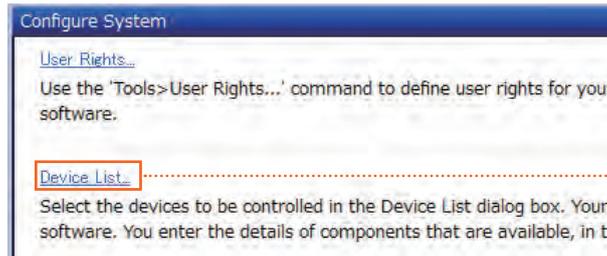
Tip 4 > Configuration and Set-up

1 <Opening the [Configure System] Dialog>



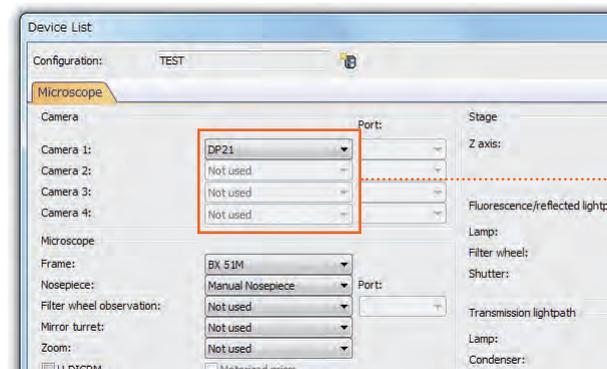
Click the [Start Page] tab.

2 <Opening the Device List Dialog>



Click [Device List].

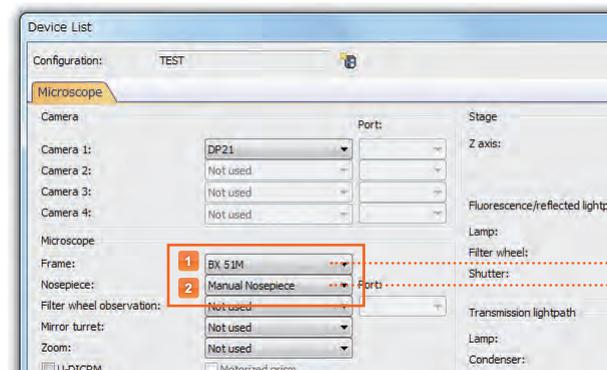
3 <Selecting the Camera>



Select the digital camera that is in use.

e.g. DP21

4 <Choosing Microscope configuration>

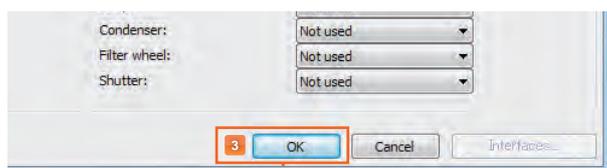


1 Select a microscope that is in use.

e.g. BX51M

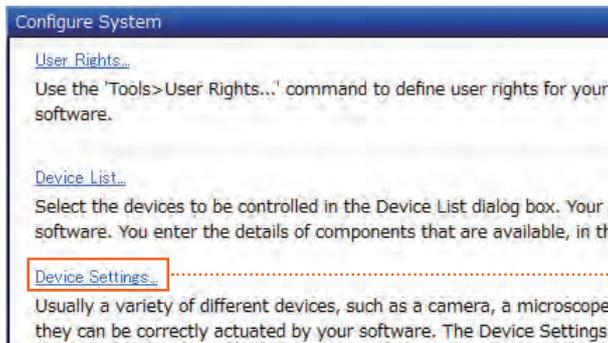
2 Select a nosepiece that is in use.

e.g. Manual Nosepiece



3 Click the [OK] button.

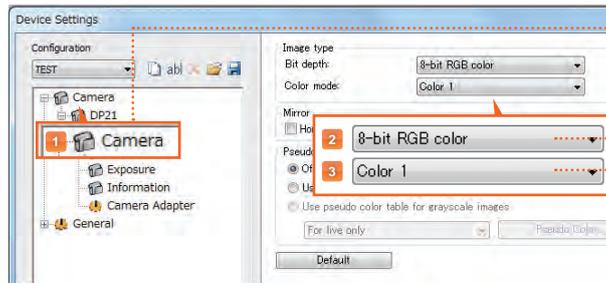
5 <Opening the Device Settings Dialog>



Click [Device Settings].

If this screen does not appear, go to 6.

6 <Choosing the Image Type>



1 Click [Camera].

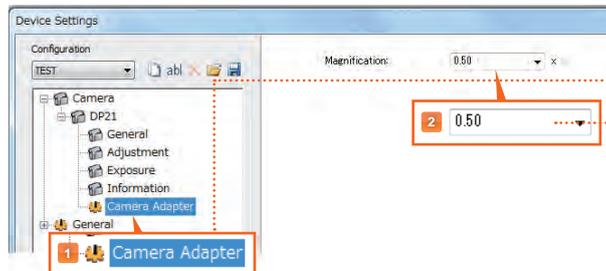
2 Select a value of [Bit depth].

e.g. 8-bit-RGB color

3 Select a value of [Color mode].

e.g. Color 1 (for DP21)

7 <Choosing the Camera Adapter>

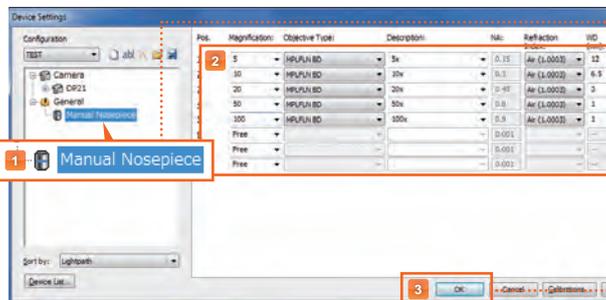


1 Click [Camera Adapter].

2 Select a magnification of the camera adapter that is in use.

e.g. 0.50

8 <Choosing the Objective Lenses>



1 Click [Manual Nosepiece].

2 Select the objective lenses that are in use.

3 Click the [OK] button.

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