

Digital Microscope MX-130

User's Manual

INDEX

Part A. Product Information	2
Features	2
Basic Requirement	2
Specifications	2
Part B. Software and Driver Installation	3
Part C. Application	6
Function buttons	6
Snapshot or record video	7
Browse your media files	7
File Manager	8
File Edit	8
Email image file	9
Slide show setting and play	9
Print photo	10
Setting	11
Format	12
Device	12
Other	12
Album Manager	12
Snapshot and Record	14
Part D. Operation	18
Product appearance	18
Operation Steps	19

Part A. Product Information

■ Features

- Detailed examination of any area you choose
- Zoom function: 50X to 170X
- Snapshot to JPG or BMP files, Burst snapshot
- Capture to Windows Media video files
- Full screen mode
- Slide Show for image
- Video adjust

■ Basic Requirement

- Pentium 4 Class CPU or above
- 256 MB of free system RAM or above
- VGA system with at least 16bit color support
- Windows XP SP2 or above
- One free USB 2.0 interface
- 30MB of hard disk space

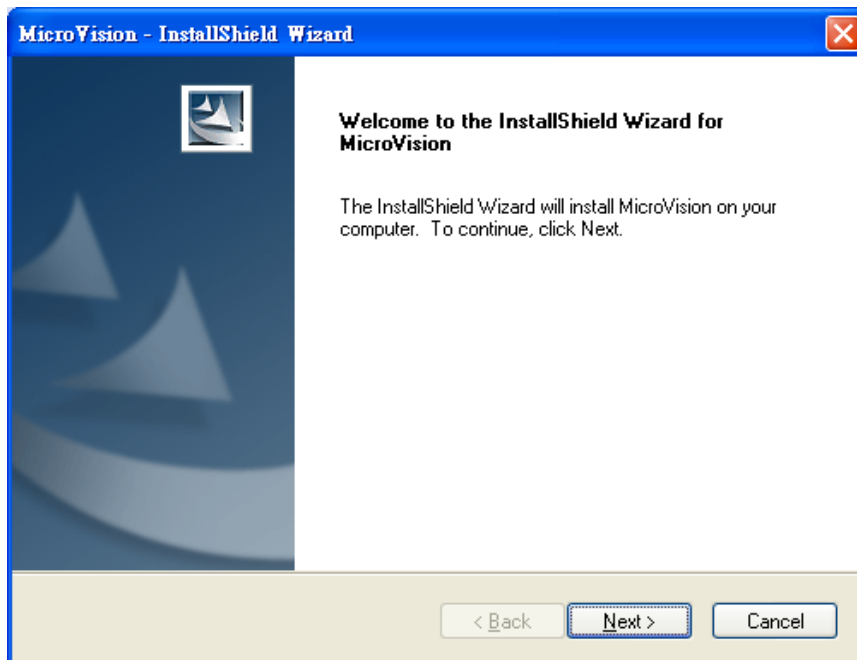
■ Specifications

- Image resolution: adjustable
- Image sensor: Color CMOS sensor
- Light source: White light LED x 8
- Hardware interface: USB 2.0
- Cable length: 1.5m
- Dimension: 31mm x 120mm
- Weight: about 125g

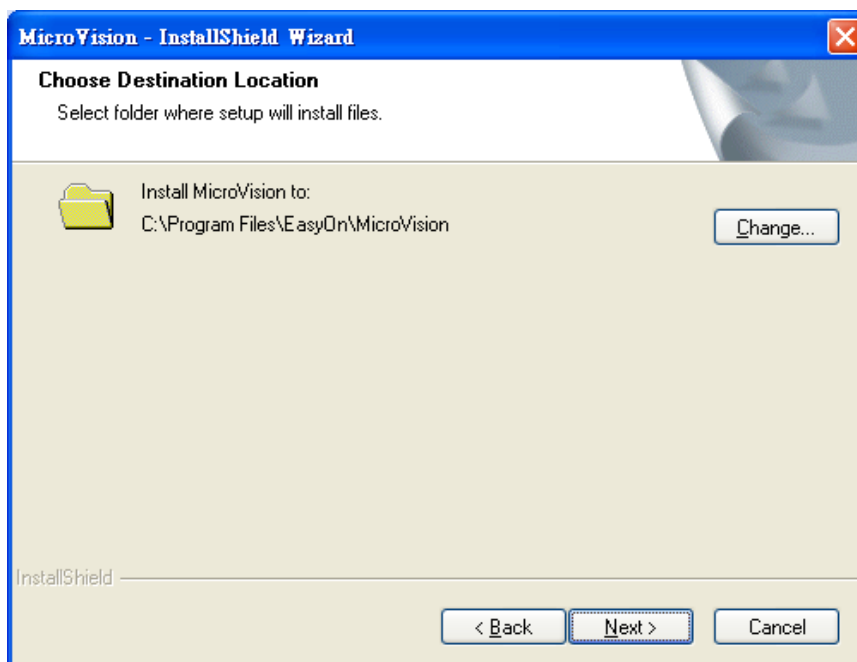
Part B. Software and Driver Installation

Step1. Insert the CD and it will auto start to install (if the picture below does not show up automatically, click the right button of mouse on the CD drive, then select “AutoPlay” to launch it).

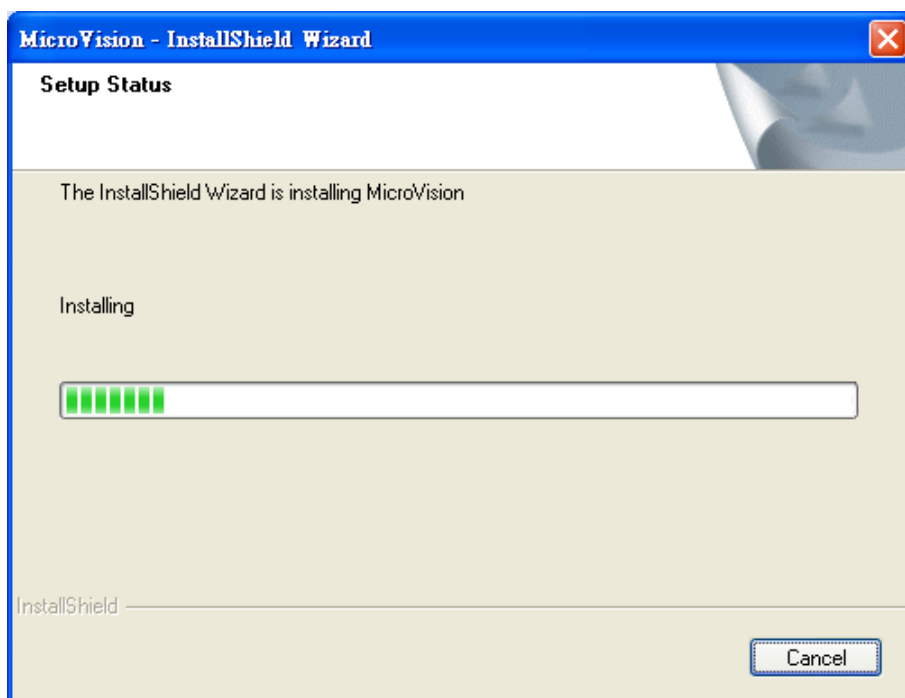
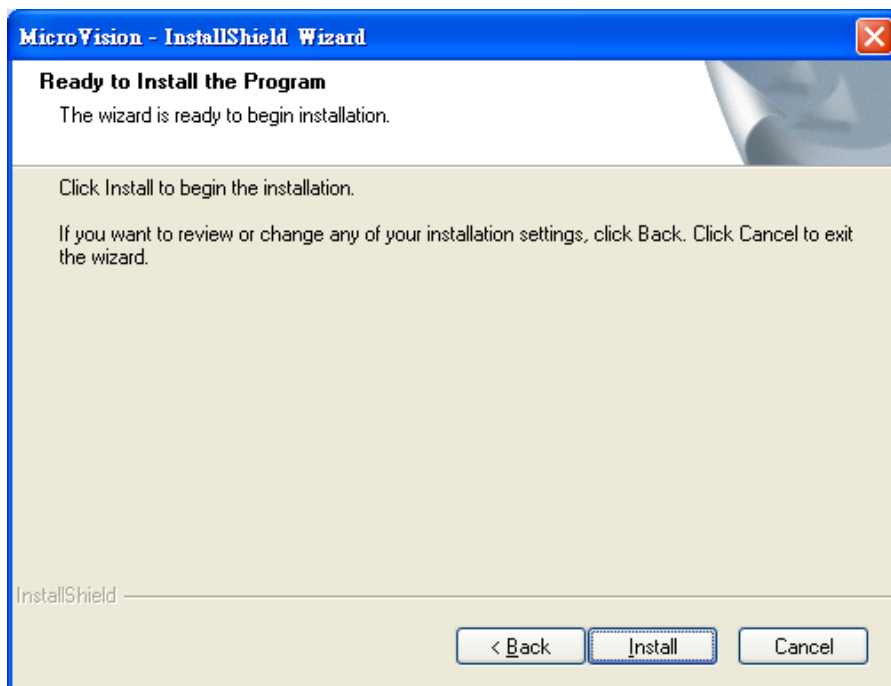
Step2. Click on “Next”



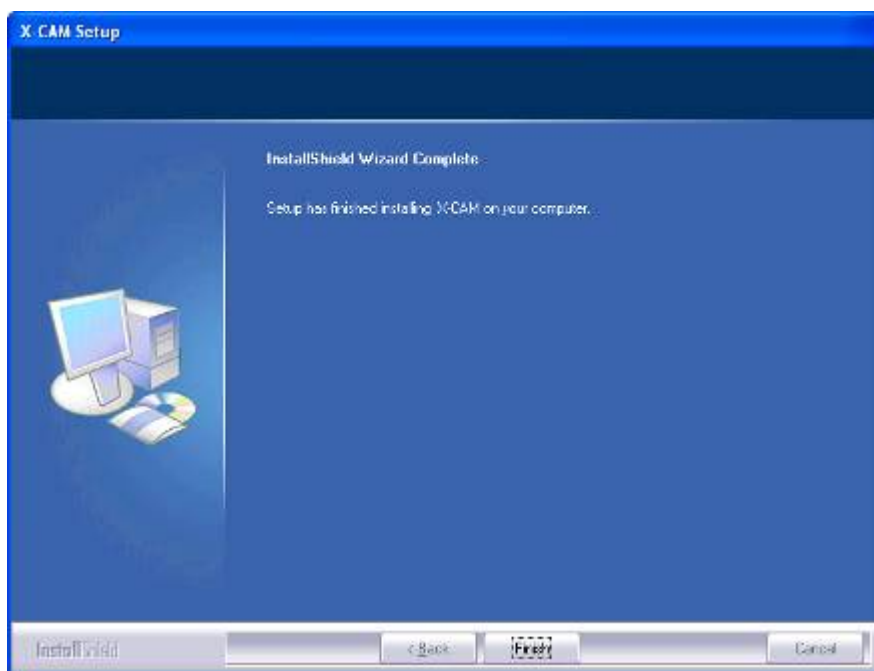
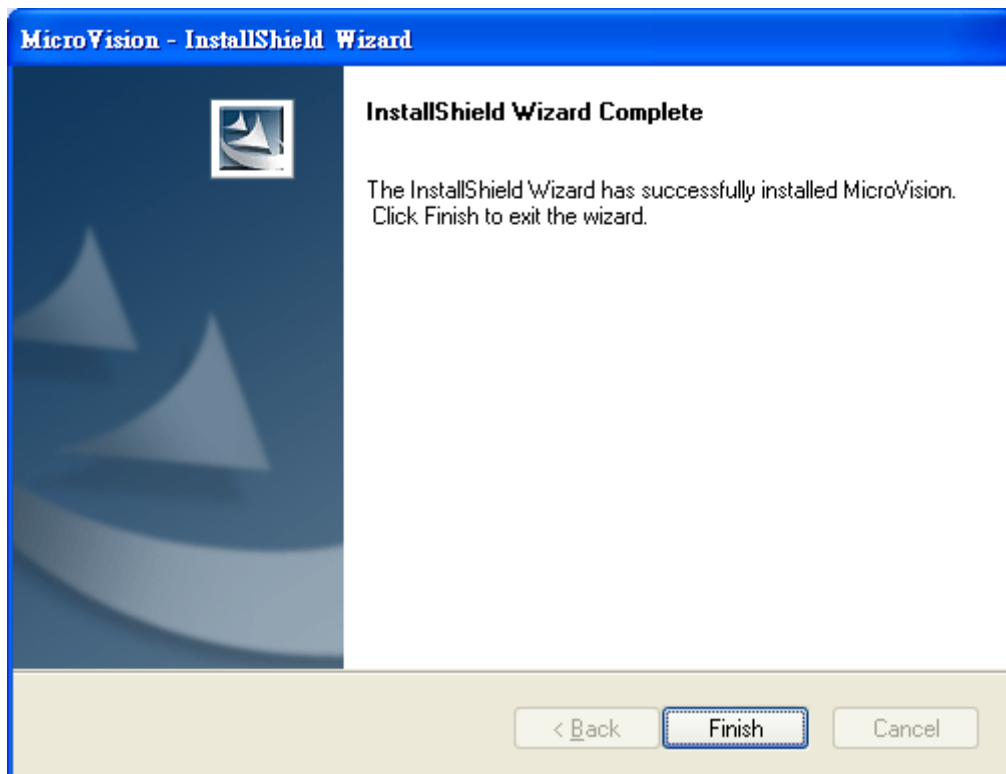
Step3. Select folder where setup will install files and Click on “Next”.



Step4. Click “Install” to continue.



Step5. Click on Finish



Step6. Plug in the camera device



Step7. Double click on the Micro Vision icon to open the software.

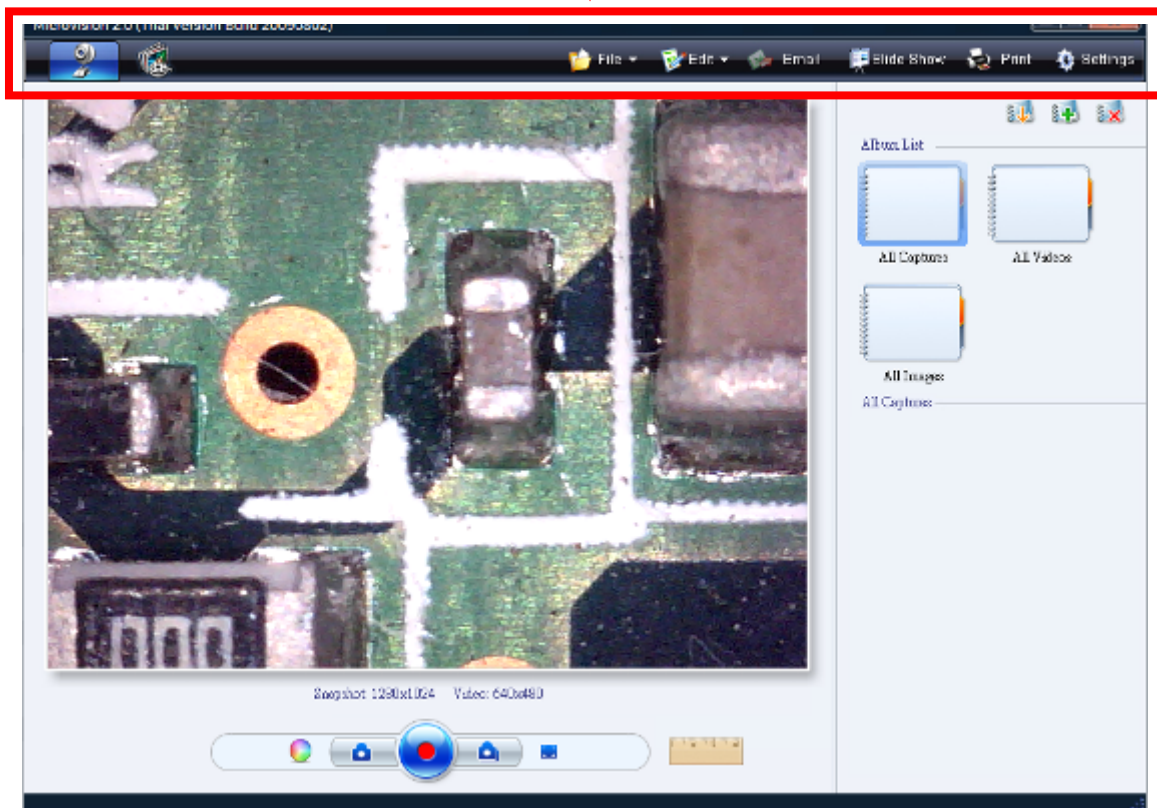


Step8. Activate the Application

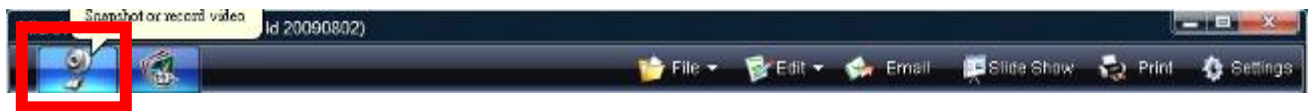
Part C. Application

■ Function buttons

The function buttons are listed on the toolbars as below.

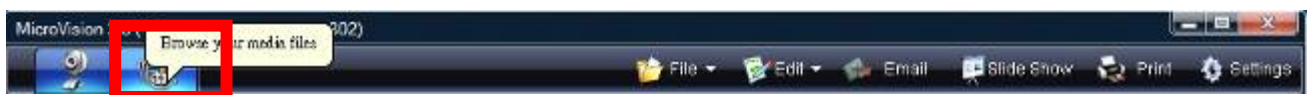


- **Snapshot or record video**

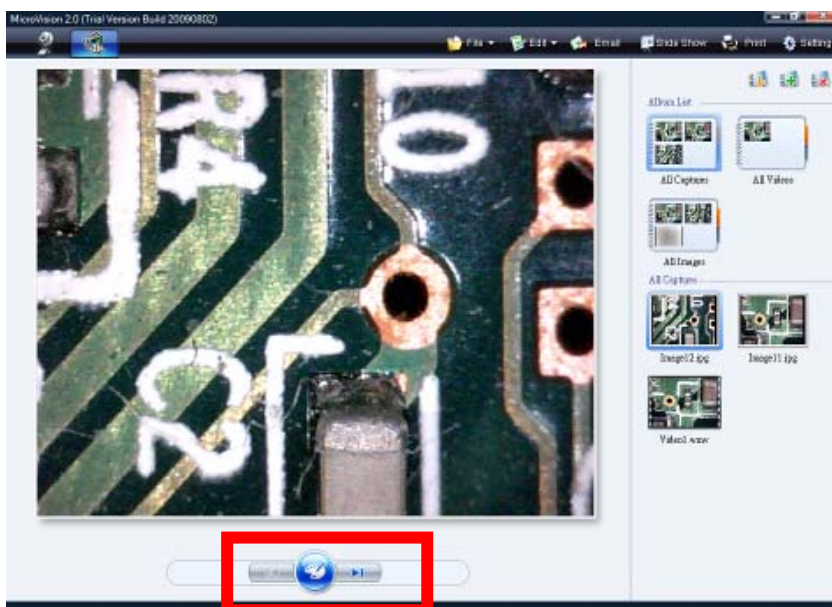


Click on into Snapshot or record video mode

- **Browse your media files**



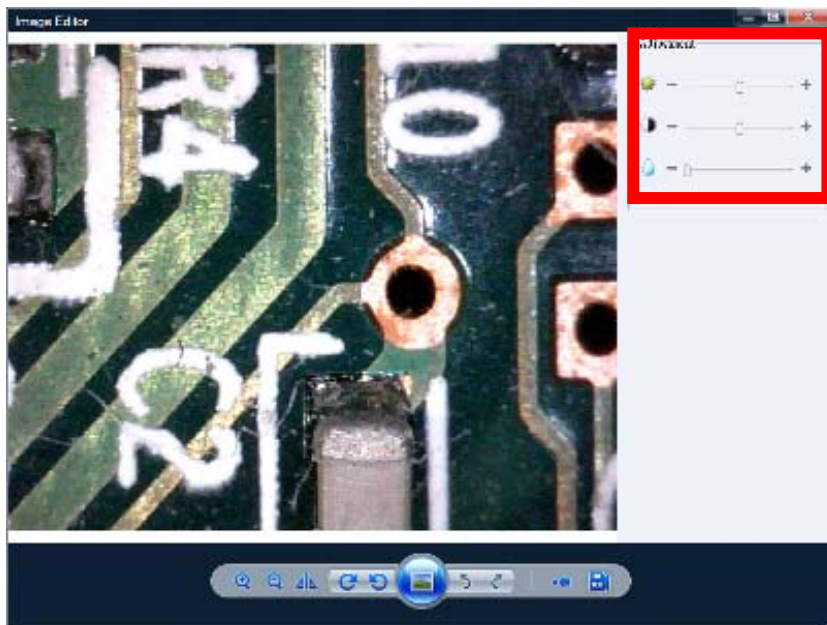
Click on “Browser mode” for reviewing and editing the videos & photos.



Click on for next/previous picture.

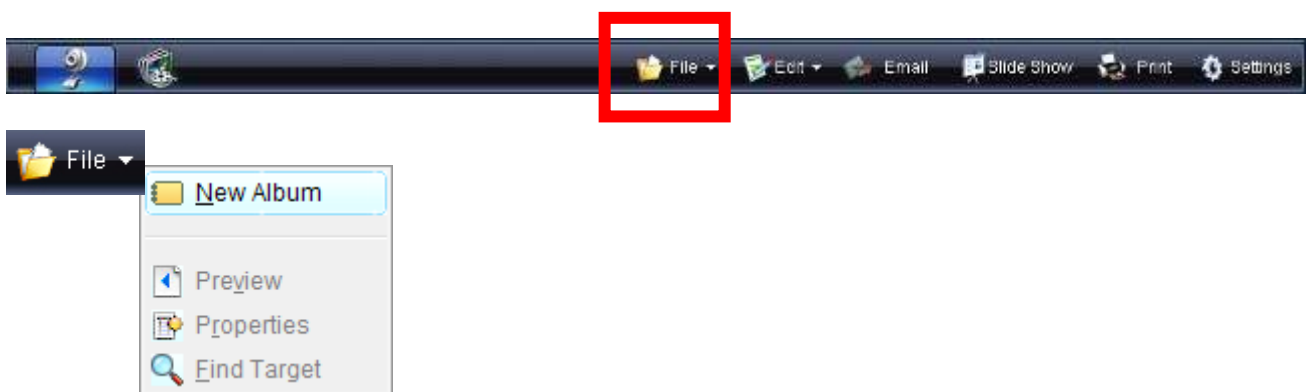


Editing the videos & photos



Click on for edit function; there are a lot of editing tools, such as color adjustment, rotation, etc.

● File Manager



New Album: Add New Album

Preview: Preview selected image / Video file

Properties: Display selected image / Video file properties

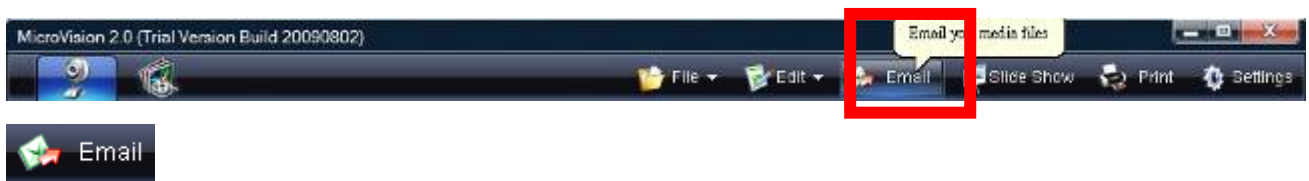
Find Target: Find selected image / Video location

● File Edit



After selecting files / photos / videos, there are functions for Copy, Cut, Paste, Delete, Copy to, Move to, Preview, Properties, and Find Target.

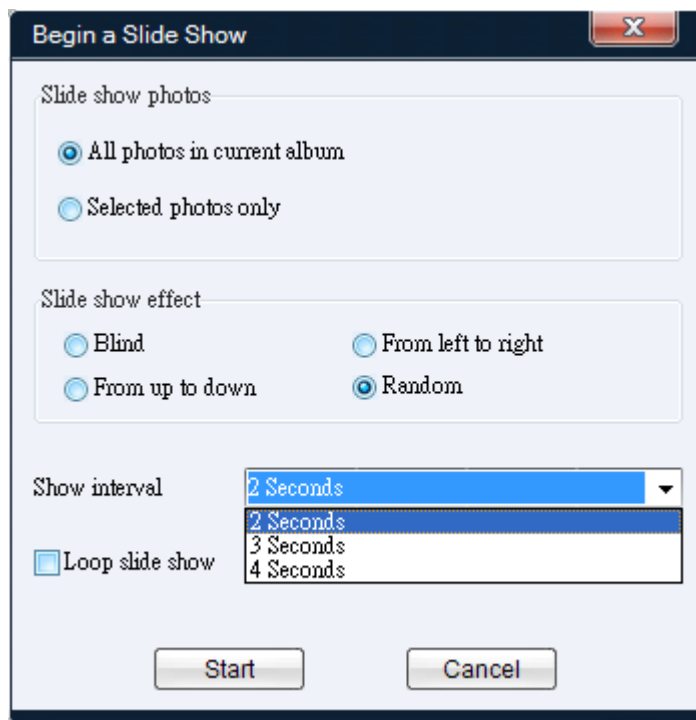
- **Email image file**



Email selected photo / video files

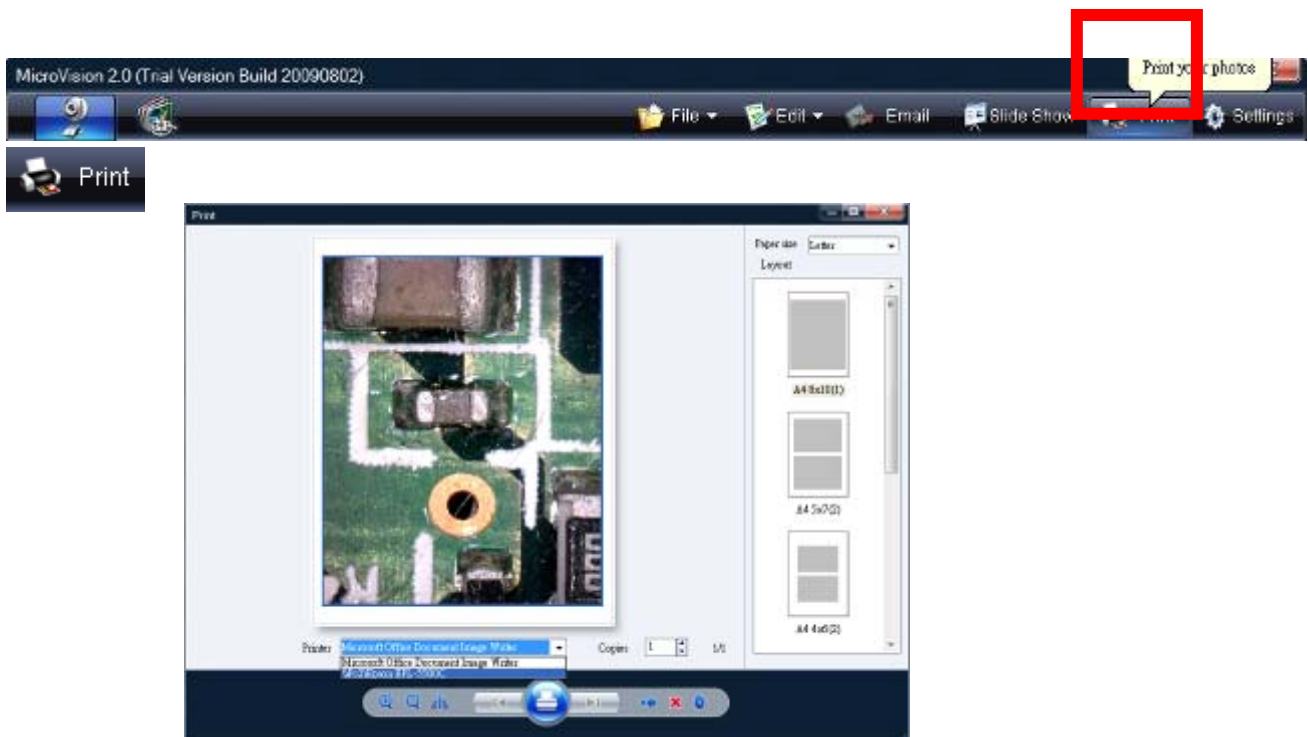
- **Slide show setting and play**





Begin a Slide show for all photos or selected photos. There are options for slide show effect and setting schedule of show interval time.

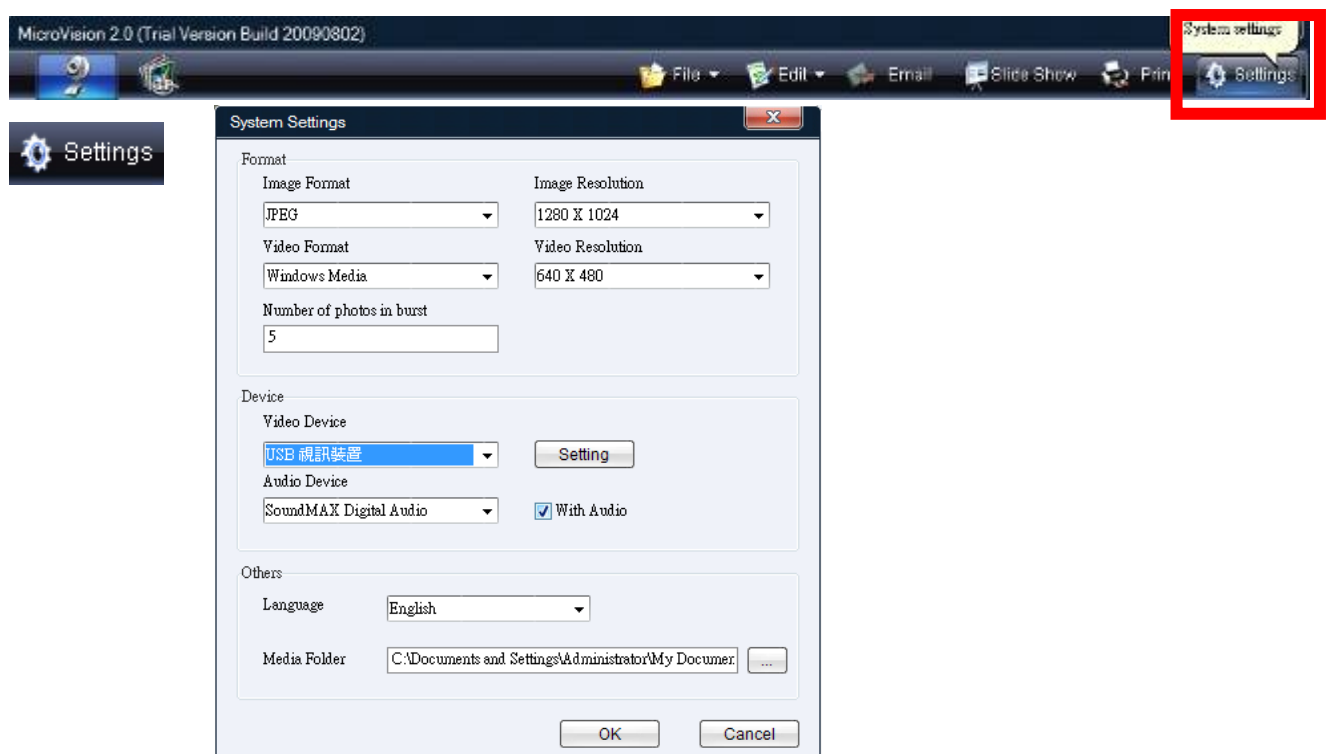
● Print photo



Print the selected photos, which can be printed in A4 (Letter, Legal, A5, B5) paper, from photo 1 to photo 42 with different photo modules.

Note: After changing paper size, the photo module will be different from original photo module.

● Setting



- **Format**

Image Format: Save the captured image as JPG or BMP file.

Video Format: The captured video will be saved as .WMV file.

Number of photos in burst: Set photo number for burst mode.

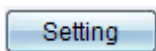
Image Resolution: Image resolution supported by the webcam

Video Resolution: Video resolution supported by webcam

- **Device**

Video Device: Choose the webcam connecting to your computer. Click **Setting** button to change the parameters of this webcam.

Audio Device: Choose an audio device on your computer. If the Audio is checked, it will record videos with audio.



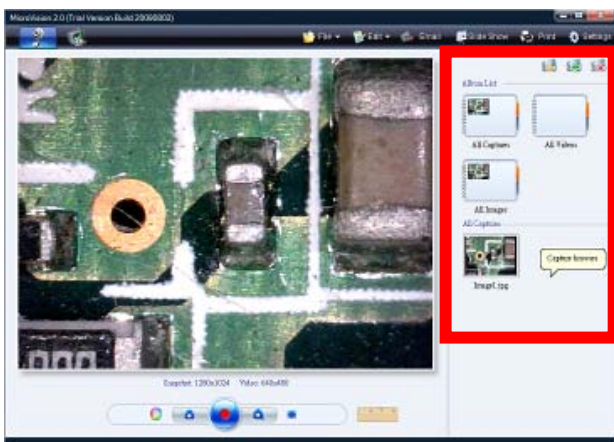
To call camera driver setting


- **Other**

Language: Choose your language as per your preference for the application.

Media folder: Select the default folder to save captured images.

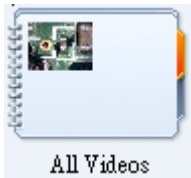
■ Album Manager



The software is with album function of including the three default albums of All Captures, All Video, and All Images. Use the three  buttons for Create / Import / Delete album, photo, and video.



All Captures: Preview all snapshot images and video files



Video Album: Preview all video files



Image Album: Preview all image files



Import files from PC



Create New Album

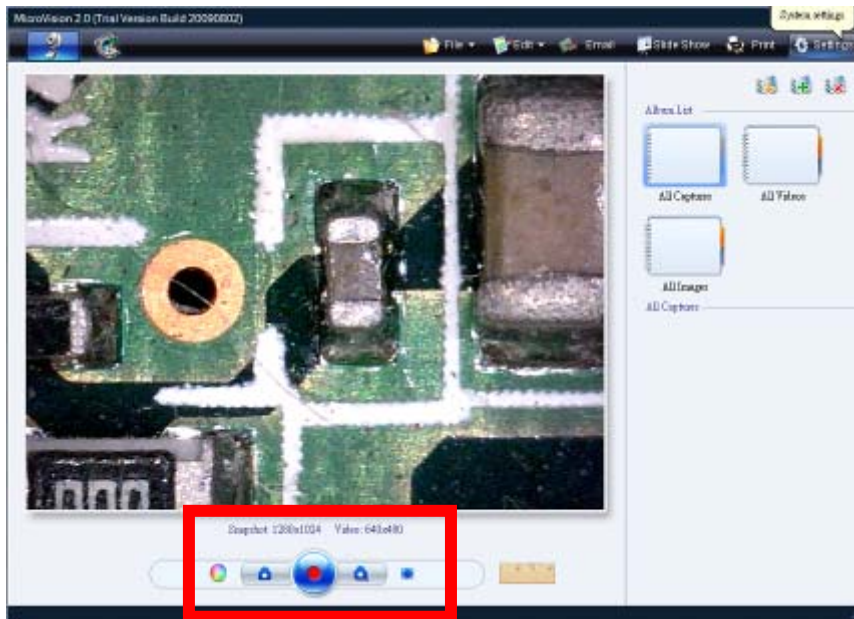


Delete selected media files or the current album

Album List _____

Click on for Hide / Show Album

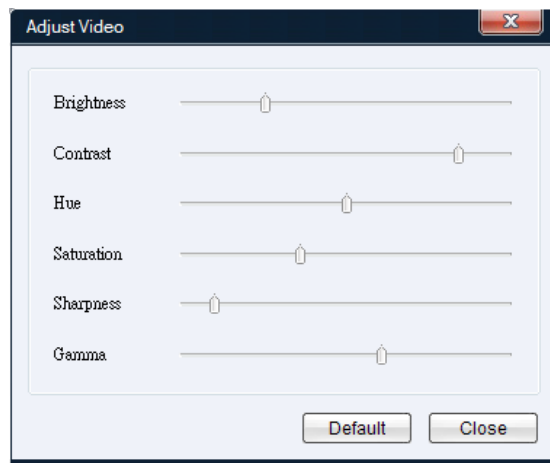
■ Snapshot and Record



Adjust Color 、 Snapshot 、 Record and Full Screen button

Snapshot: 1280x1024 Video: 640x480

Current Snapshot and Video resolution setting



Adjust Color: Real time adjusts color for Brightness, Contrast, Hue, Saturation, Sharpness, and Gamma.



Snapshot button:

Capture a still image from current video. And this image will be shown on the Capture Browser under All Images album.



Video record button:

Click the button to starts recording video from your microscope. Click the button again to stop recording.



Burst:

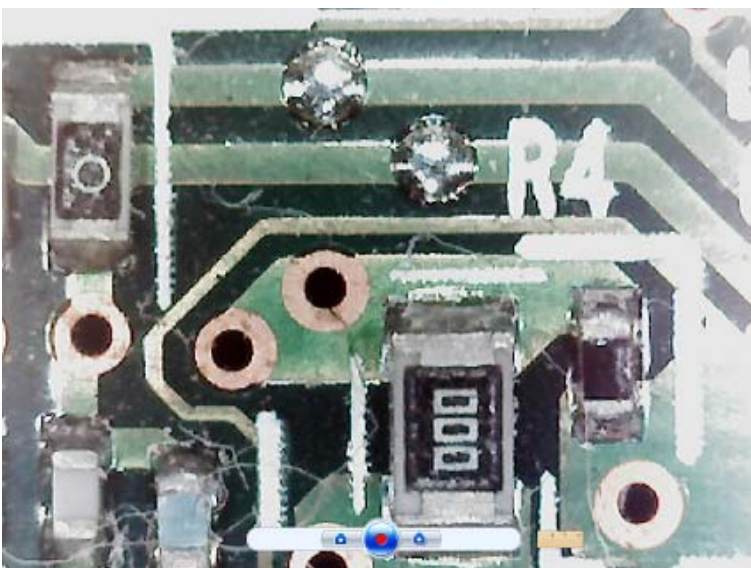
Capture multiple images in a quick succession.



Full Screen:

Click the button to show the current video in full screen, and then double-click in full screen, back to the main panel.

Full Screen Mode





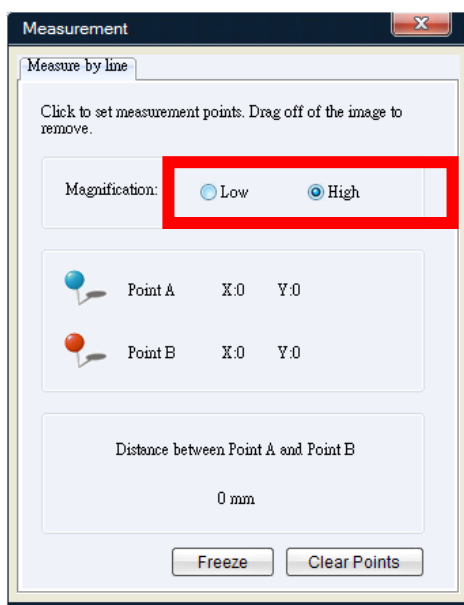
Measure the video: Length measurement function as the below steps.

Step1. Select Low / High Magnification depending on magnification rate of microscope.


A. Let Object lens and the object contacts completely

B. Select Low Magnification, and then adjust the microscope enlargement percentage to the low rate (50X) and focus until clarity, Go to Step 2.

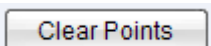
C. Select Low Magnification, and then adjusts the microscope enlargement percentage to the high rate (170X) and focus until clarity, Go to Step2

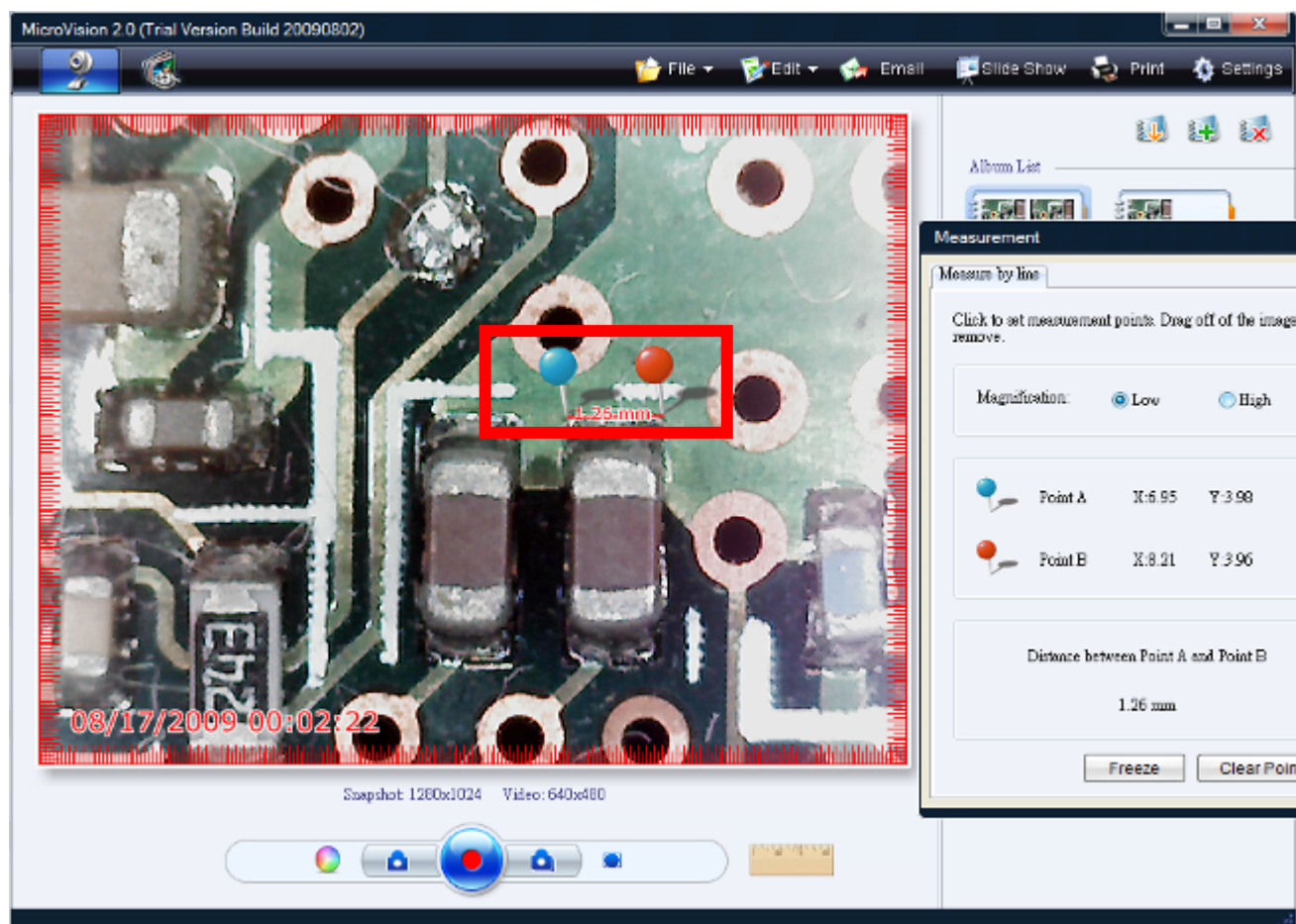


Step2. Measure the distance between two points, click where you want to start and then click again to set the ending point. It will display the distance between the two points. You can adjust either point by dragging the pin.

Step3. Click on  to freeze the video for easy measurement;

Click on  to for unfreeze the video

Step4. Click on  to start over



Part D. Operation

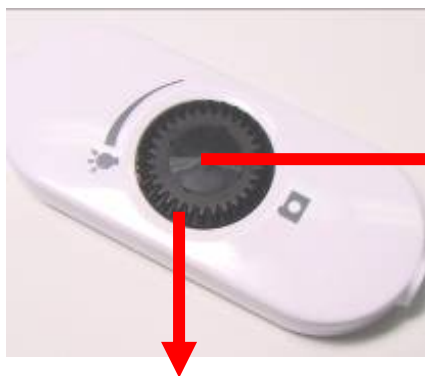
■ Product appearance

1. Magnification roller
2. Object lens
3. Snapshot button & LED adjustment roller on USB cable
4. Holder



1. Magnification roller

2. Object lens



3. Snapshot button on USB cable

LED light adjustment roller



4. Holder

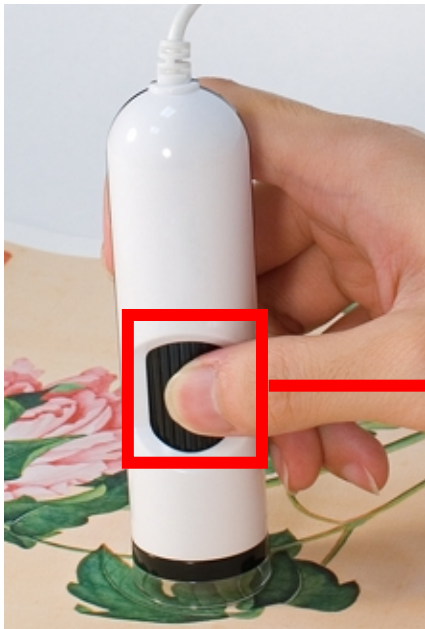
■ Operation Steps

1. Move the object lens to focus on the target for getting clear picture.



Target

2. Adjust the magnification roller for getting different image size between the lowest and highest magnifications.



Adjust magnification rate

3. Press the snapshot button on USB cable, or click the functions of color adjustment, snapshot (or F7 Key), record, burst snapshot & full screen on software.

