

ScopePhoto user guide

Only for Windows XP or Vista with
USB2.0

www.spb812.com

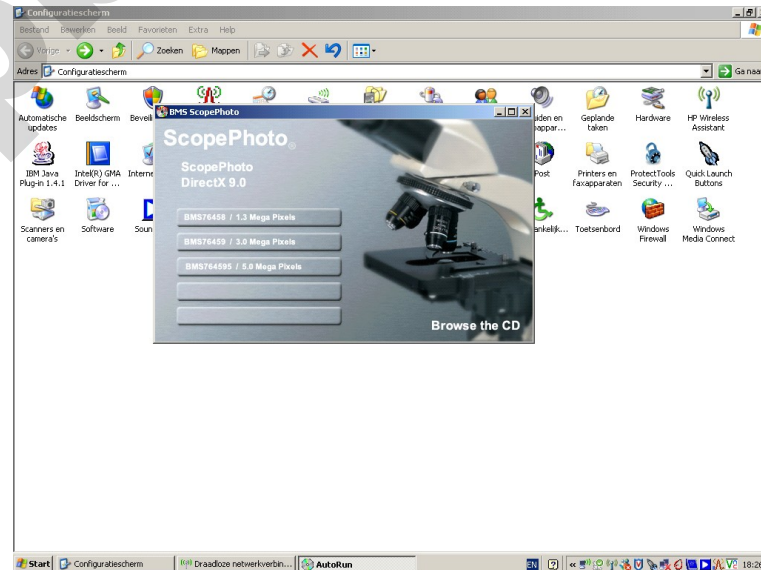
Application of Digital Camera for Microscope



1. D

Start Using Digital Camera for Microscope

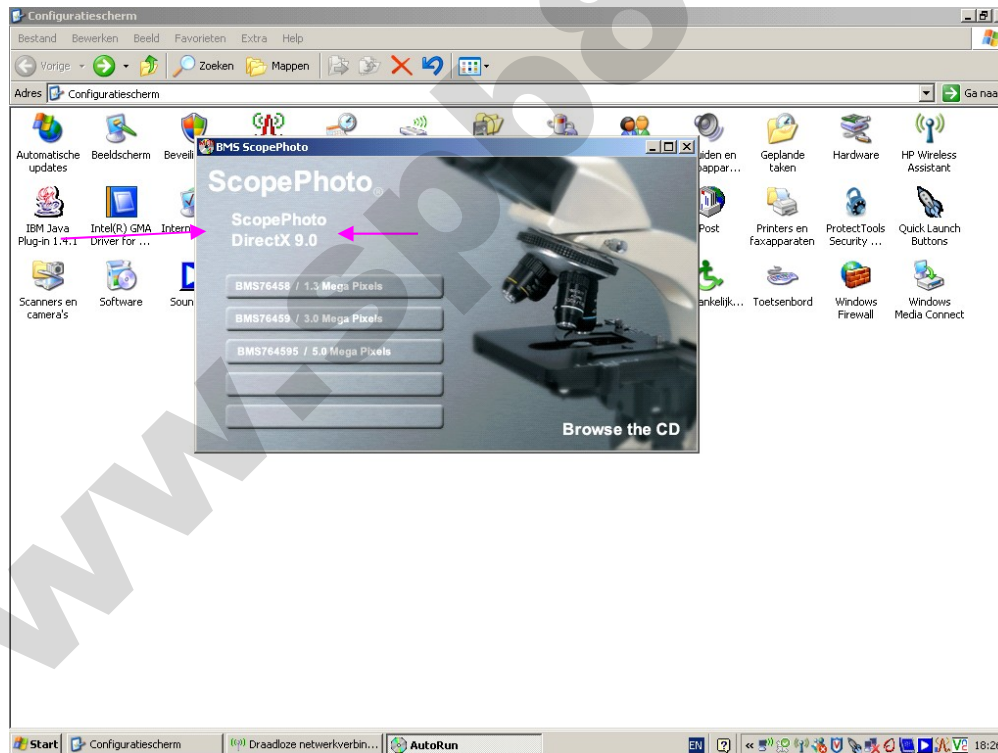
- **Insert the CD into your PC CDROM .**
- **Do not connect your camera at this moment., You will be asked to do so later. The installation program should run automatically.**
- **Install the driver with the name as your DCM hardware.**



2. Install ScopePhoto

Start Using *Digital Camera for Microscope*

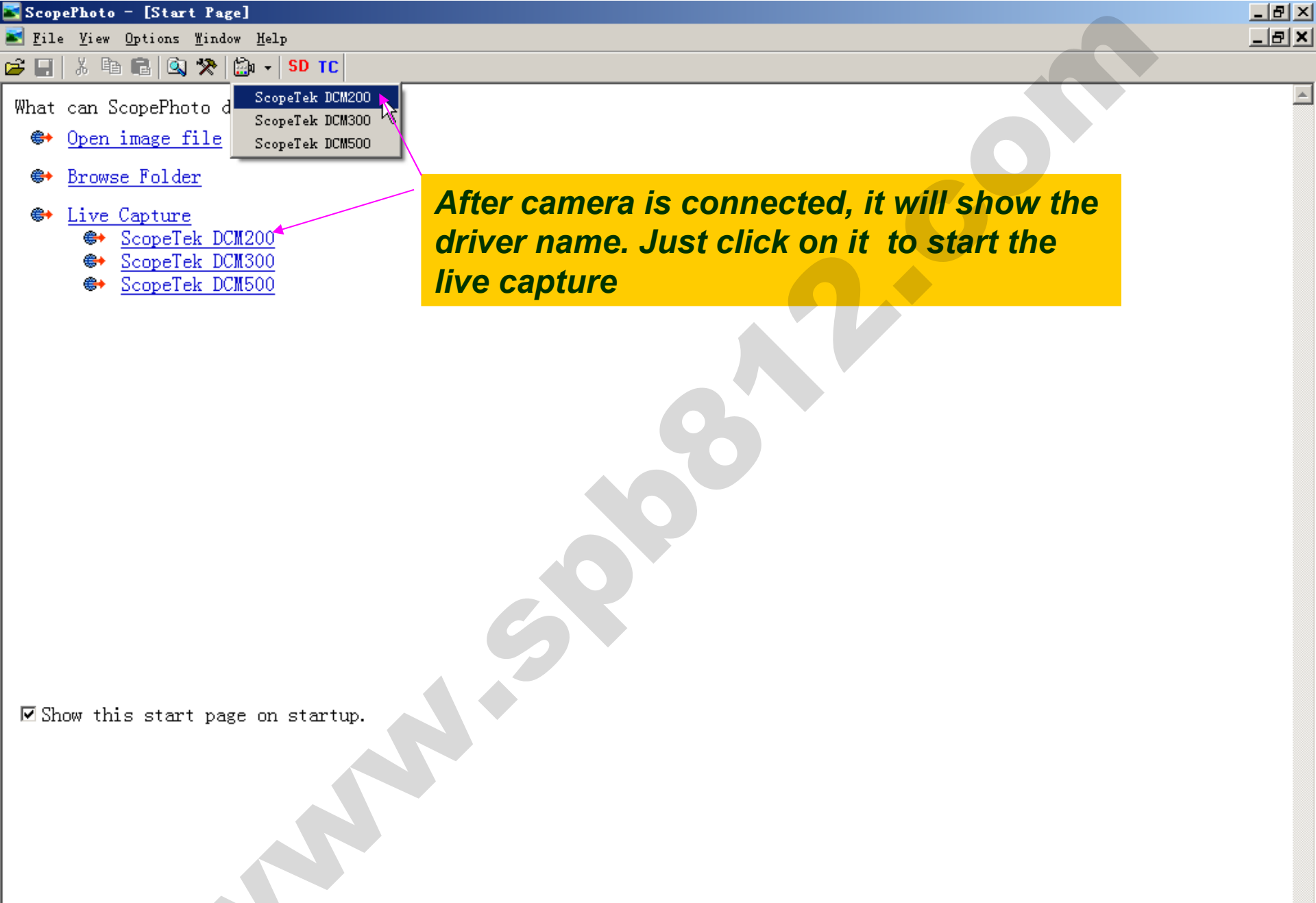
- **Install DirectX 9.0** if your version is lower than 9.0, otherwise, skip this step
- **Install ScopePhoto**



Start Using *Digital Camera for Microscope*

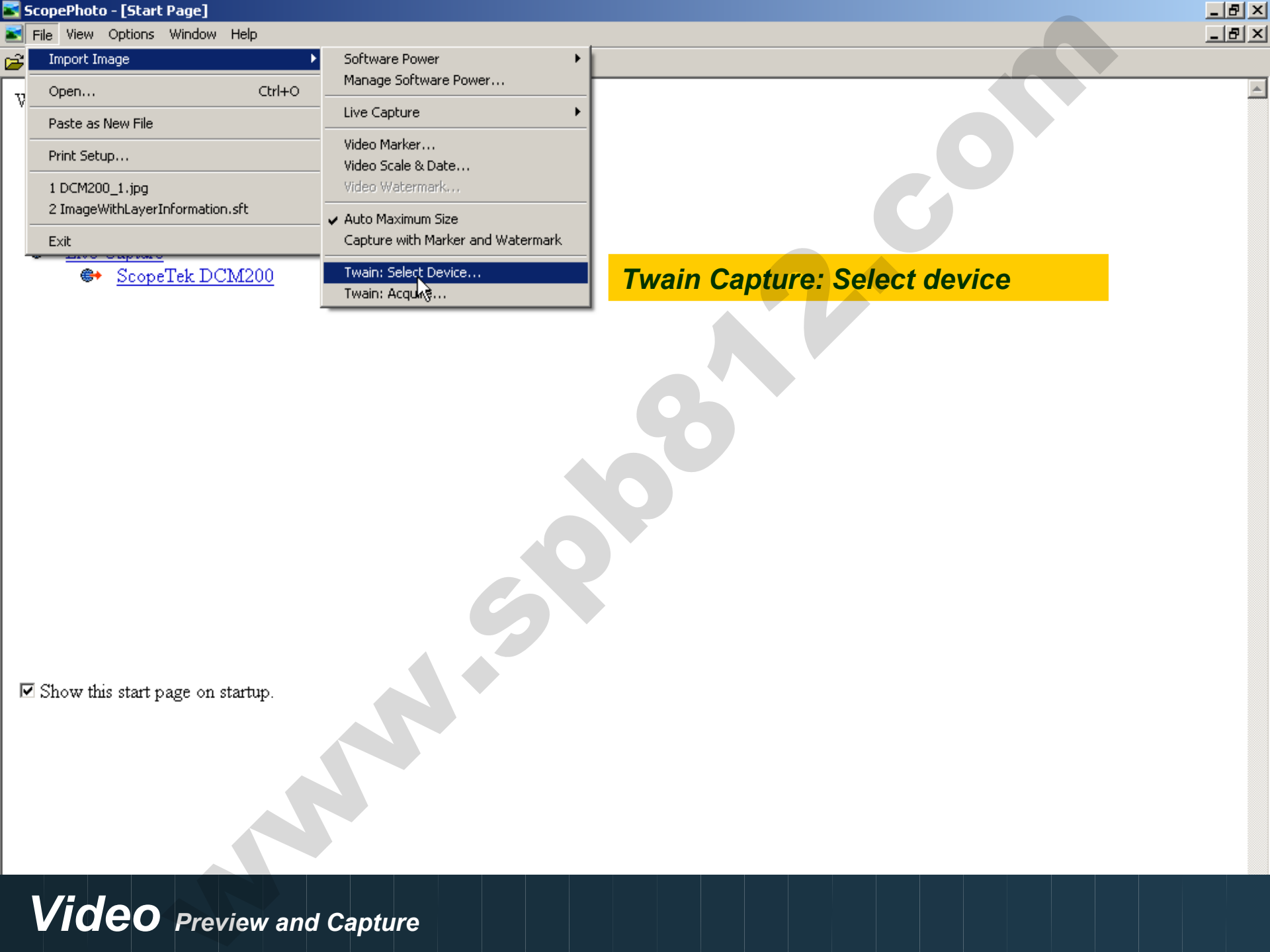
3. What can ScopePhoto do?

- **Video Preview and Capture**
 - Start video preview in DirectShow or Twain format;
 - Overlay marker, scale & date , water marker on video;
 - Software power definition and video measurement
 - Record video in AVI ,MPEG4 or other format;
 - Capture image and save image in BMP, JPG, PNG, TIFF, PCX, TGA or SFT formats;
- **Layer and Draw**
 - Insert layer on the image to keep draw objects;
 - Draw geometrical objects on the image to show the image information;
 - Export draw objects operation ;
 - Draw object and image print ;
 - Save draw objects with the image in sft format ;
- **Image Processing**
 - Image adjustment;
 - Image processing ;
 - Image plugin provided by the 3rd party;
- **Image Browse**



After camera is connected, it will show the driver name. Just click on it to start the live capture

Show this start page on startup.

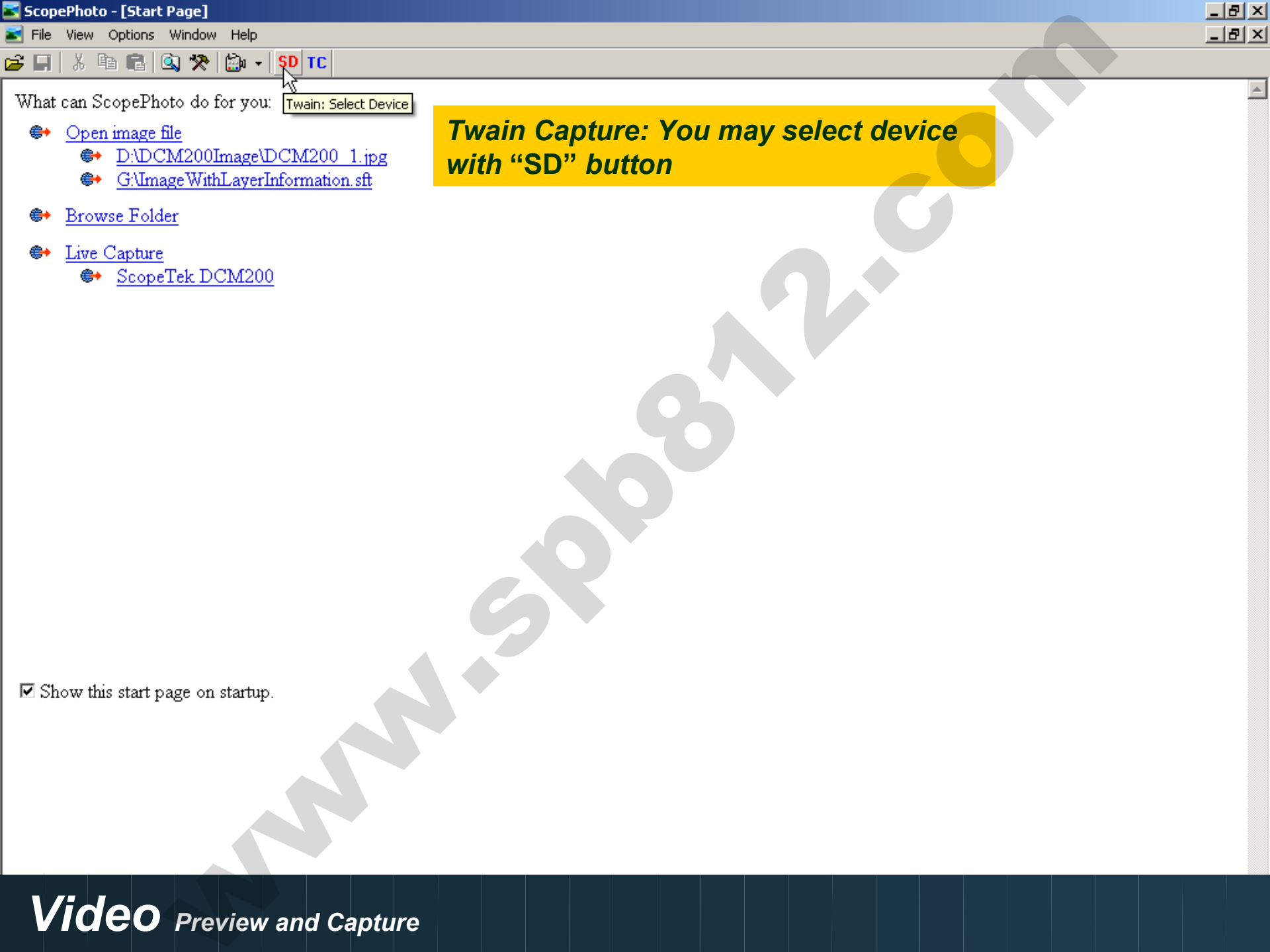


- Import Image
- Open... Ctrl+O
- Paste as New File
- Print Setup...
- 1 DCM200_1.jpg
- 2 ImageWithLayerInformation.sft
- Exit

- Software Power
- Manage Software Power...
- Live Capture
- Video Marker...
- Video Scale & Date...
- Video Watermark...
- ✓ Auto Maximum Size
- Capture with Marker and Watermark
- Twain: Select Device...
- Twain: Acquire...

Twain Capture: Select device

Show this start page on startup.



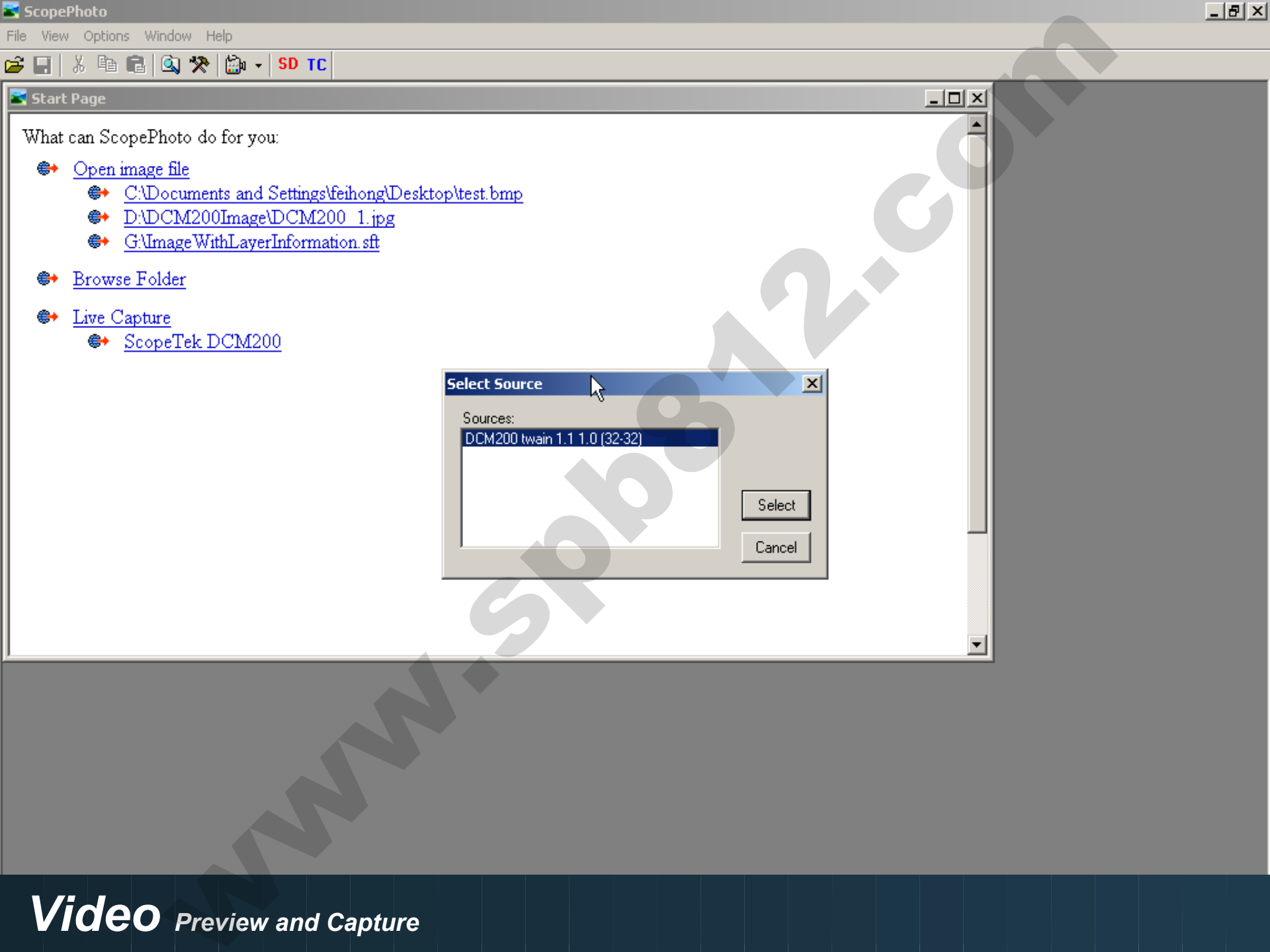
What can ScopePhoto do for you:

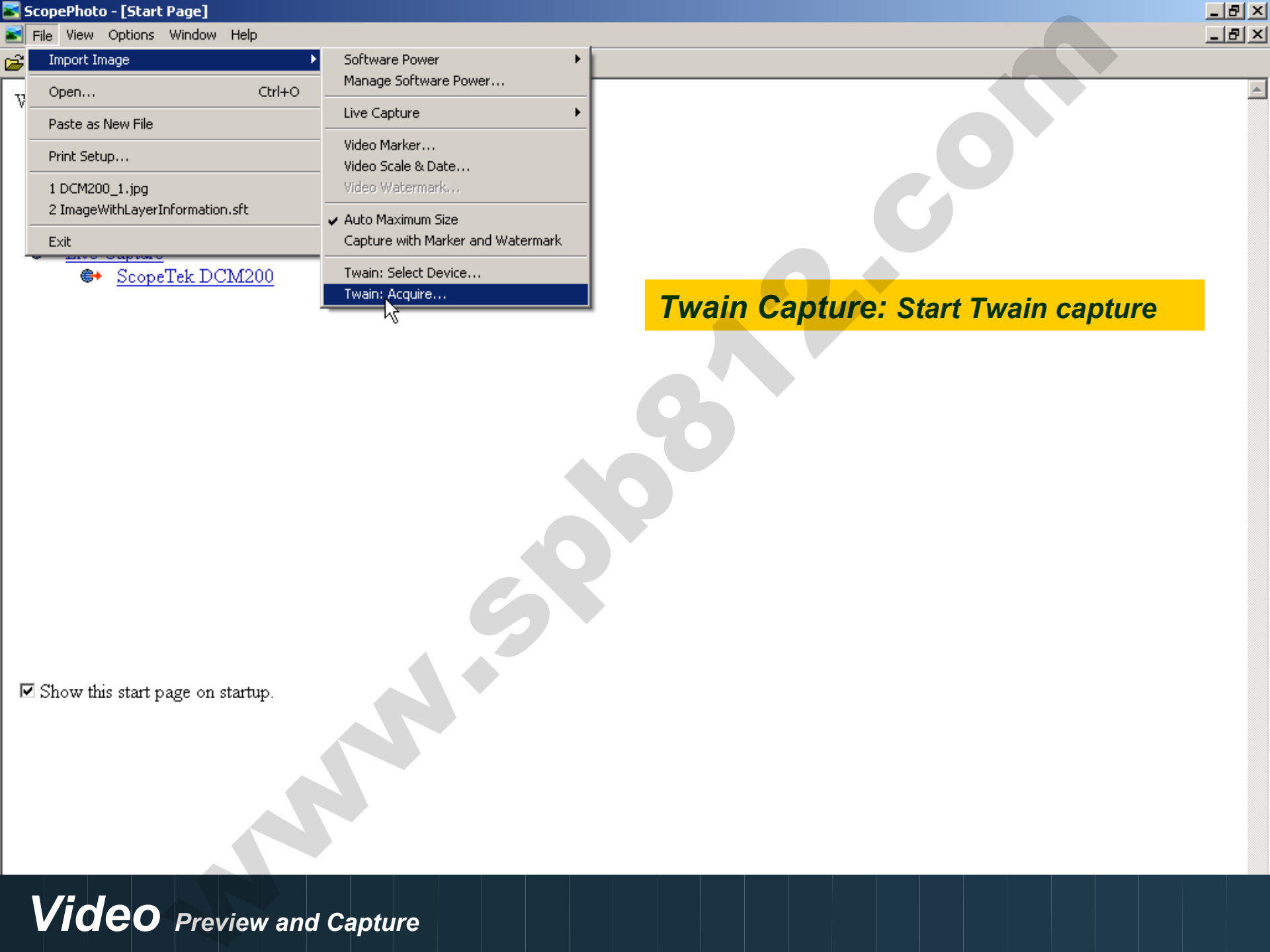
Twain: Select Device

- [Open image file](#)
 - [D:\DCM200Image\DCM200_1.jpg](#)
 - [G:\ImageWithLayerInformation.sft](#)
- [Browse Folder](#)
- [Live Capture](#)
 - [ScopeTek DCM200](#)

Twain Capture: You may select device with "SD" button

Show this start page on startup.





File View Options Window Help

- Import Image
- Open... Ctrl+O
- Paste as New File
- Print Setup...
- 1 DCM200_1.jpg
- 2 ImageWithLayerInformation.sft
- Exit

- Software Power
- Manage Software Power...
- Live Capture
- Video Marker...
- Video Scale & Date...
- Video Watermark...
- ✓ Auto Maximum Size
- Capture with Marker and Watermark
- Twain: Select Device...
- Twain: Acquire...

Twain Capture: Start Twain capture

Show this start page on startup.



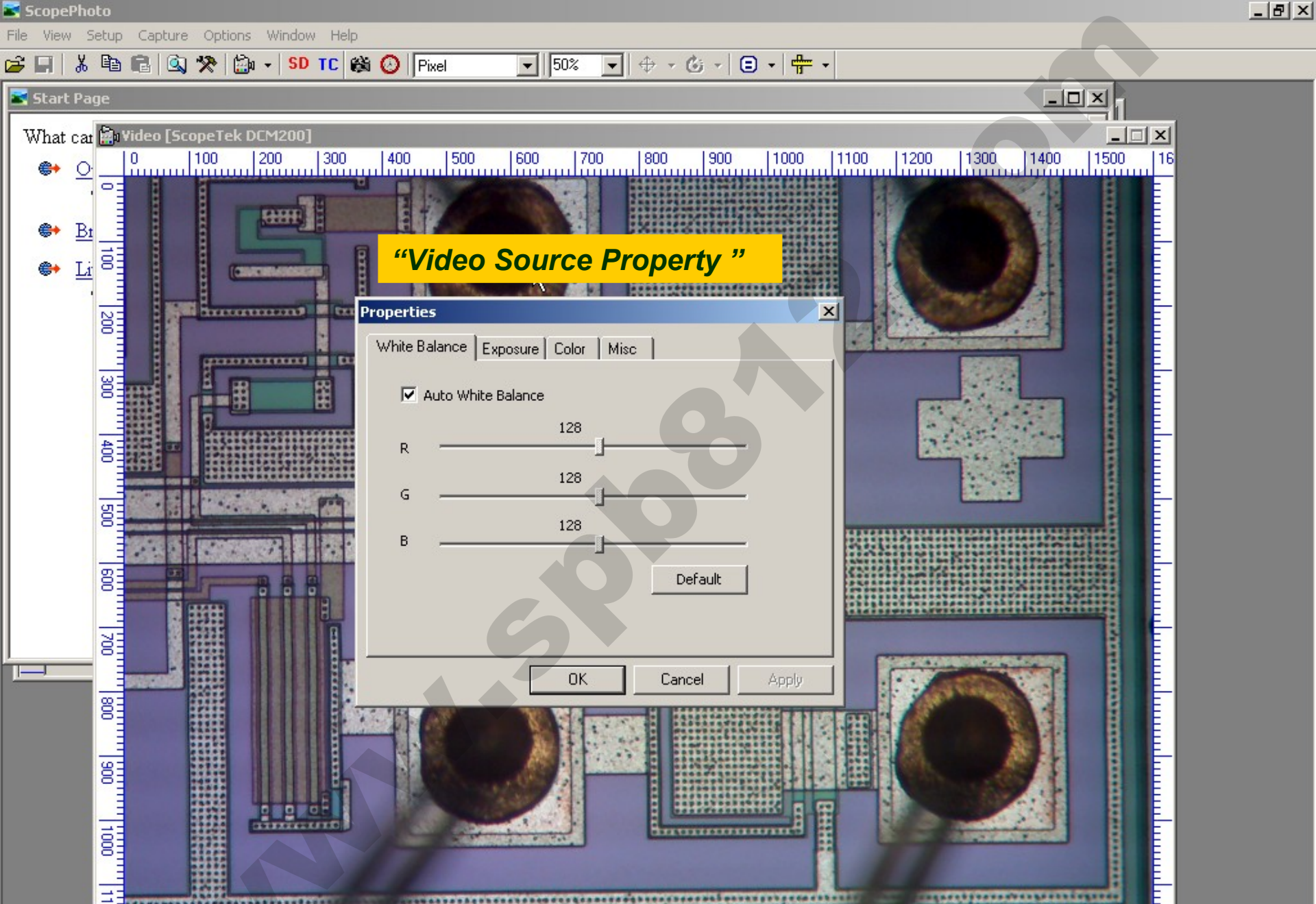
What can ScopePhoto do for you:

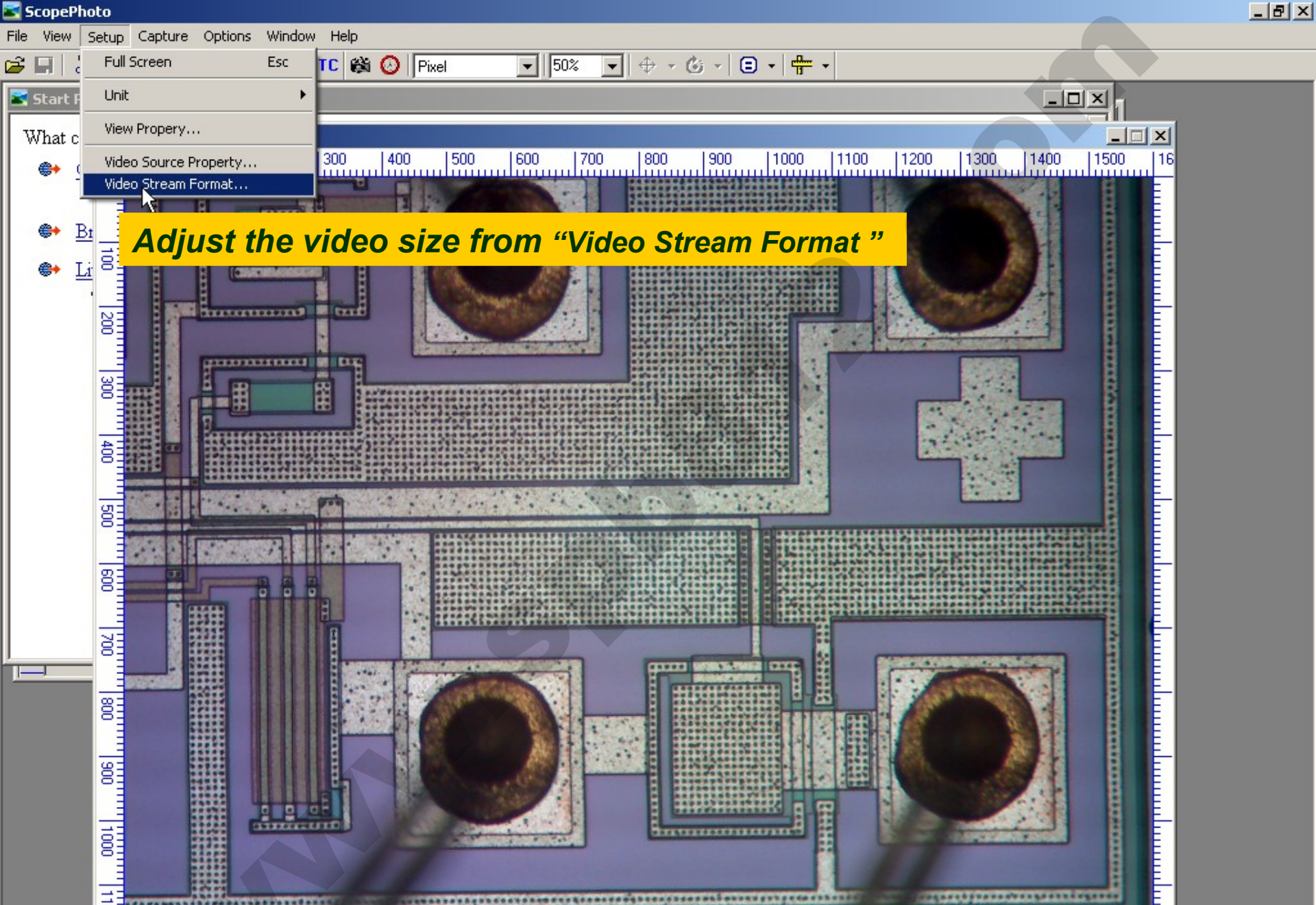
Twain: Acquire

- [Open image file](#)
 - [D:\DCM200Image\DCM200_1.jpg](#)
 - [G:\ImageWithLayerInformation.sft](#)
- [Browse Folder](#)
- [Live Capture](#)
 - [ScopeTek DCM200](#)

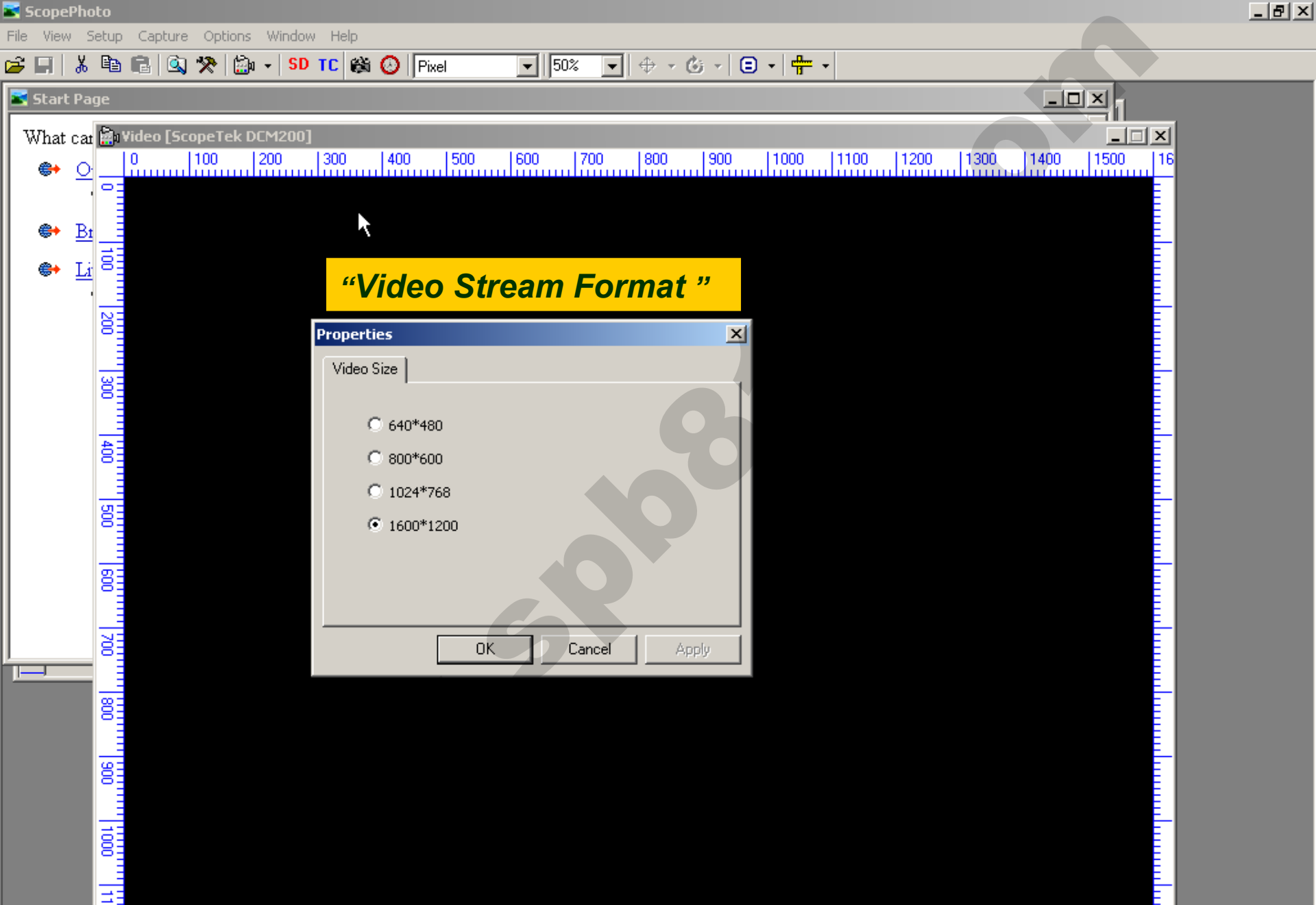
Twain Capture: You may start Twain capture with "TC" button

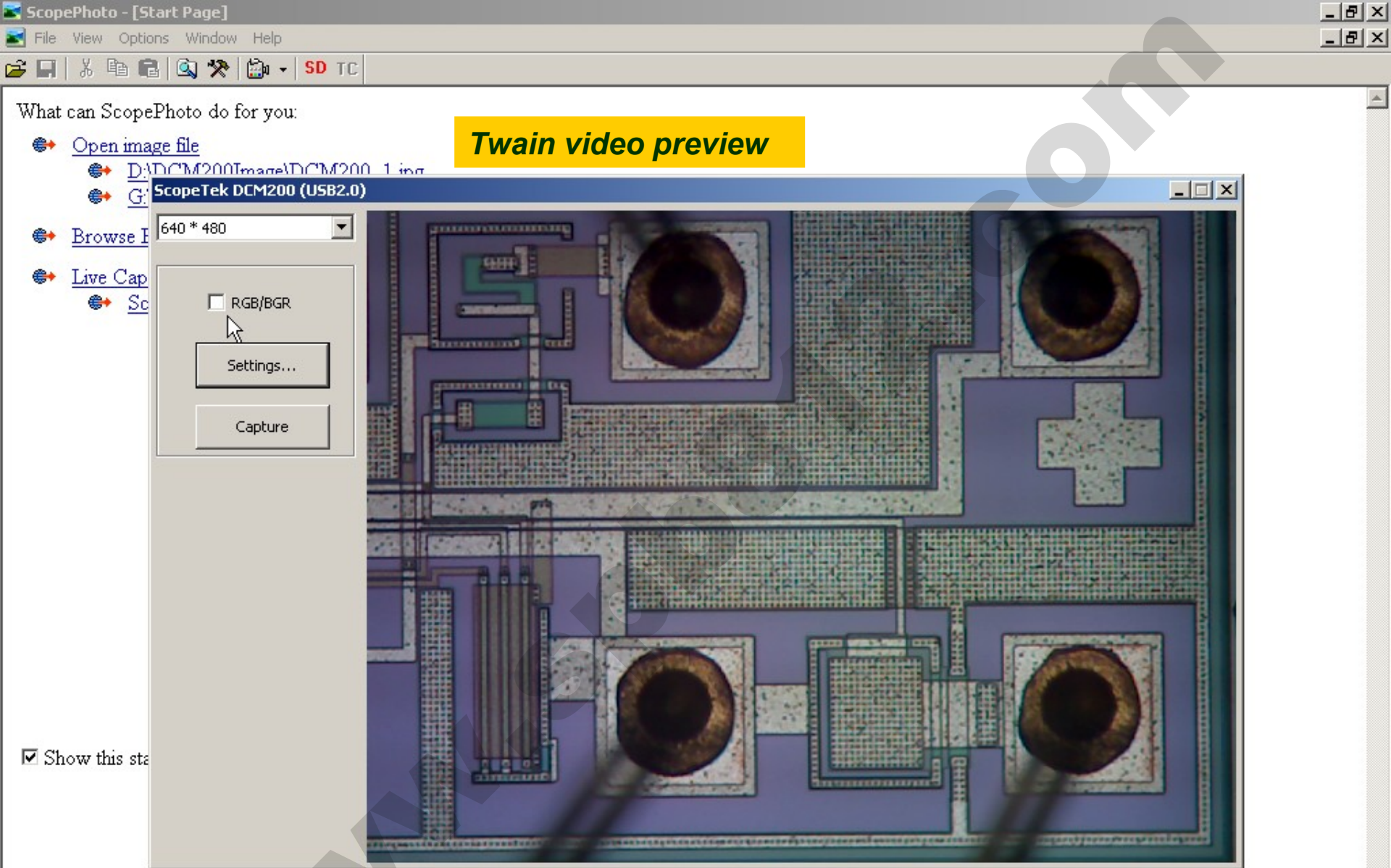
Show this start page on startup.

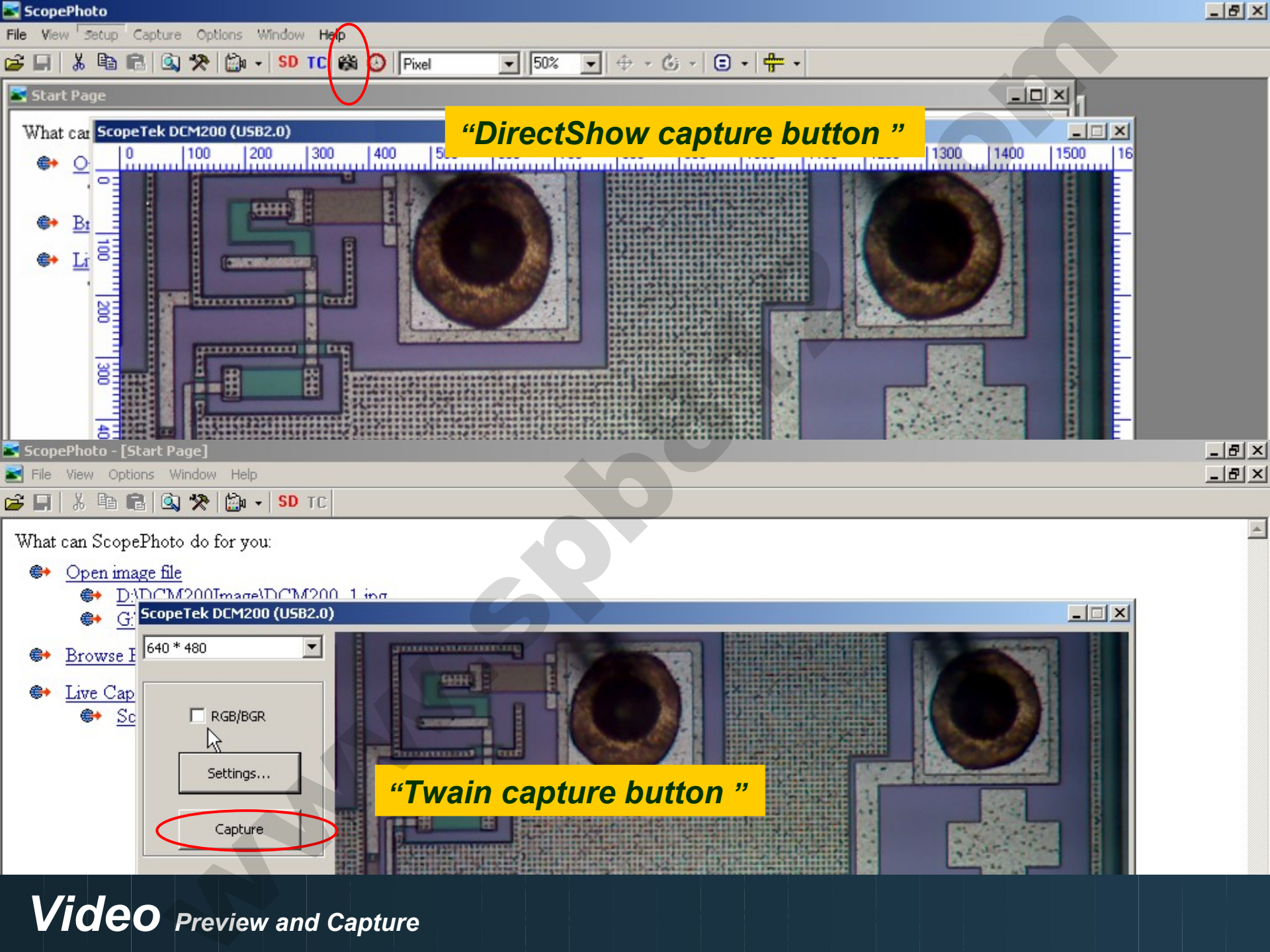




Adjust the video size from "Video Stream Format"

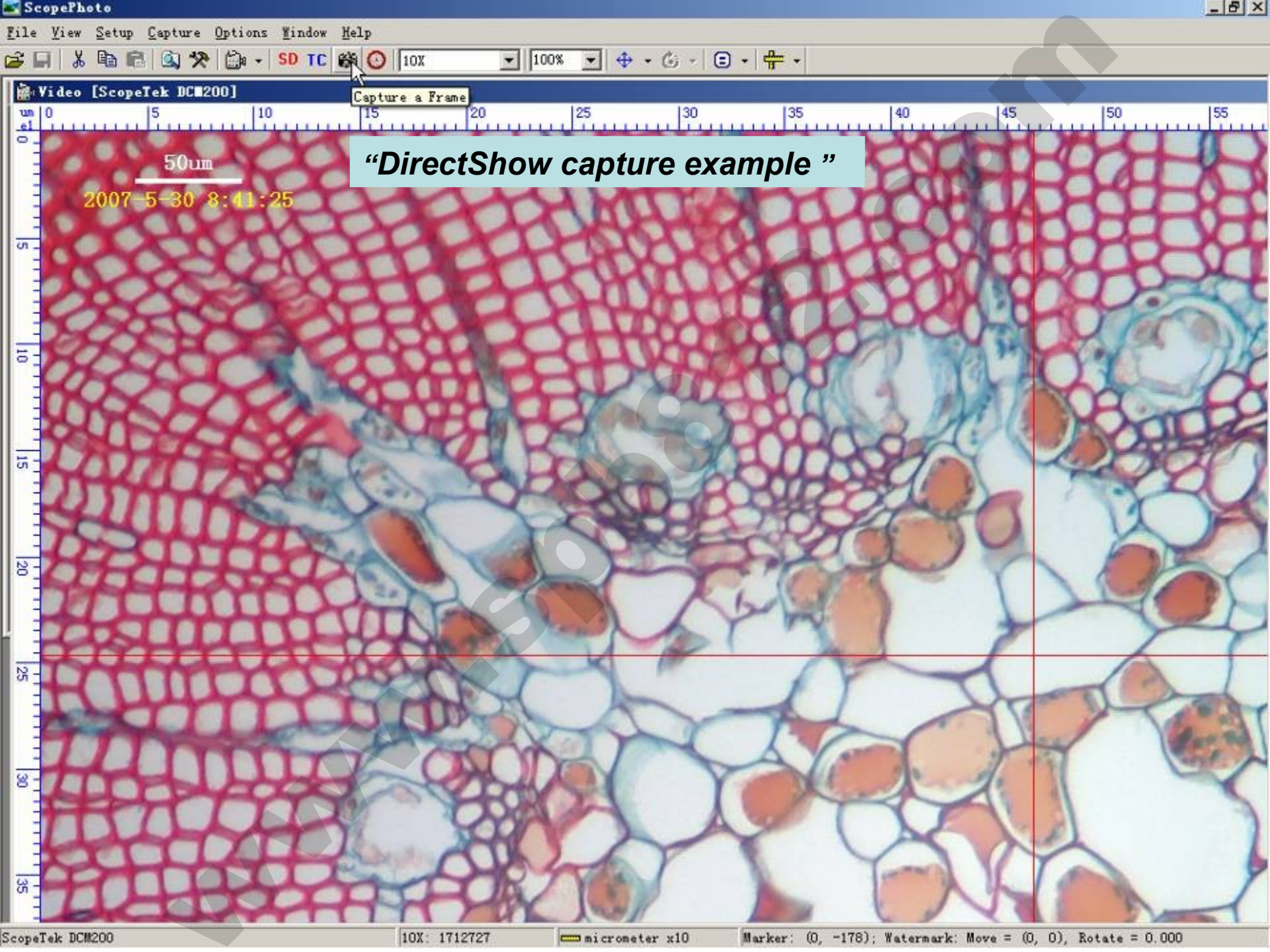






“DirectShow capture button”

“Twain capture button”



“DirectShow capture example”

50µm

2007-5-30 8:41:25

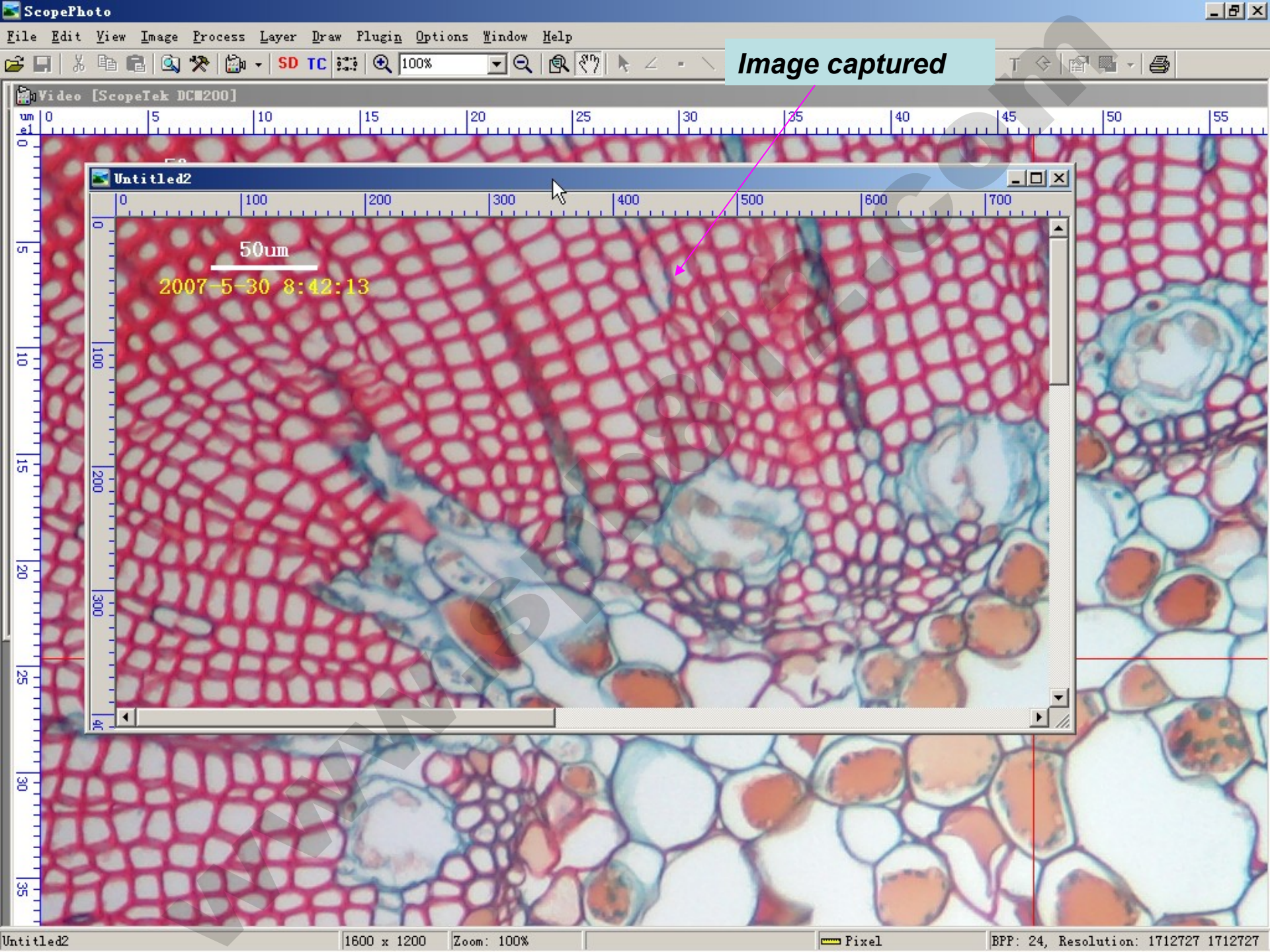
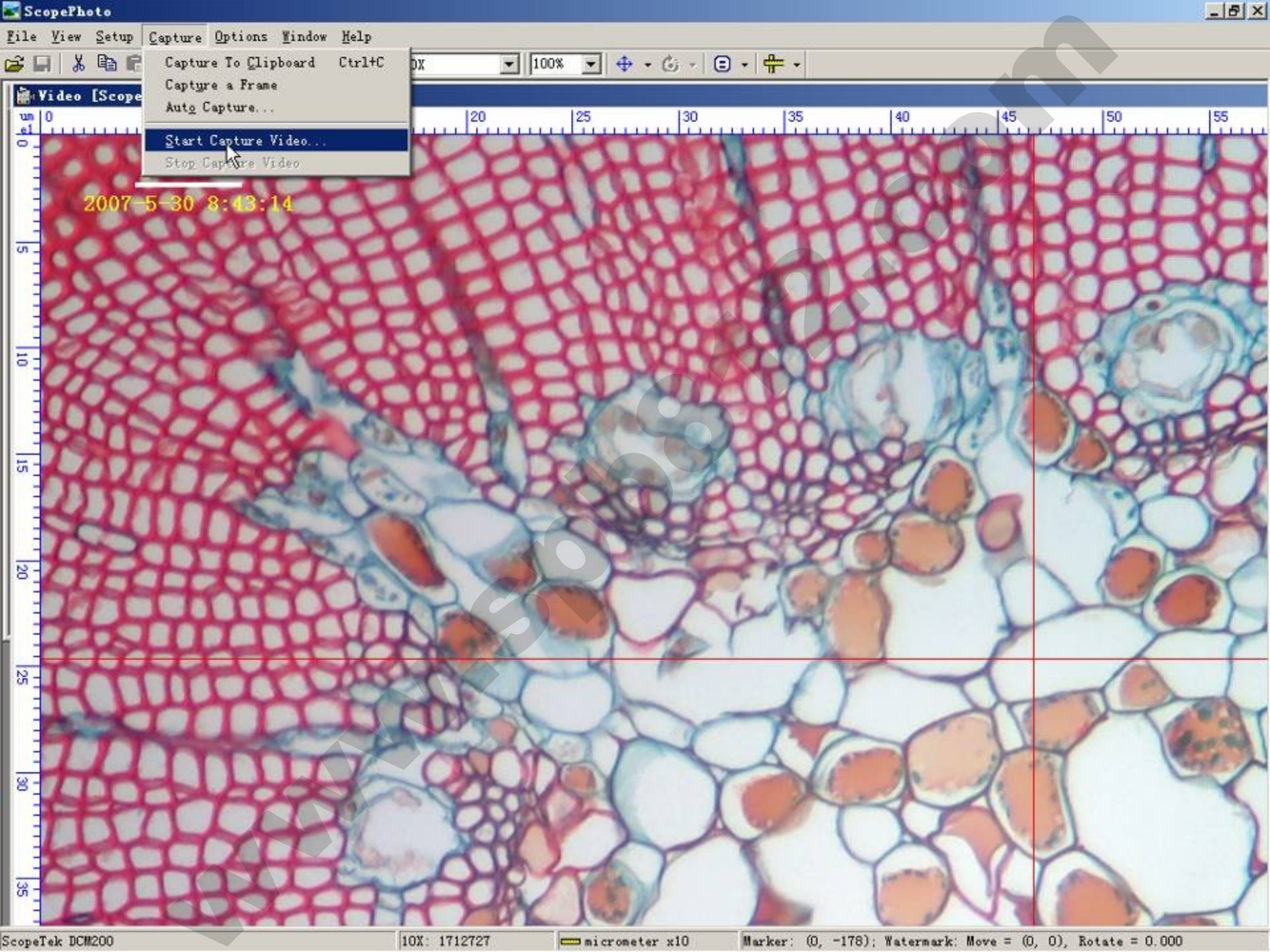


Image captured

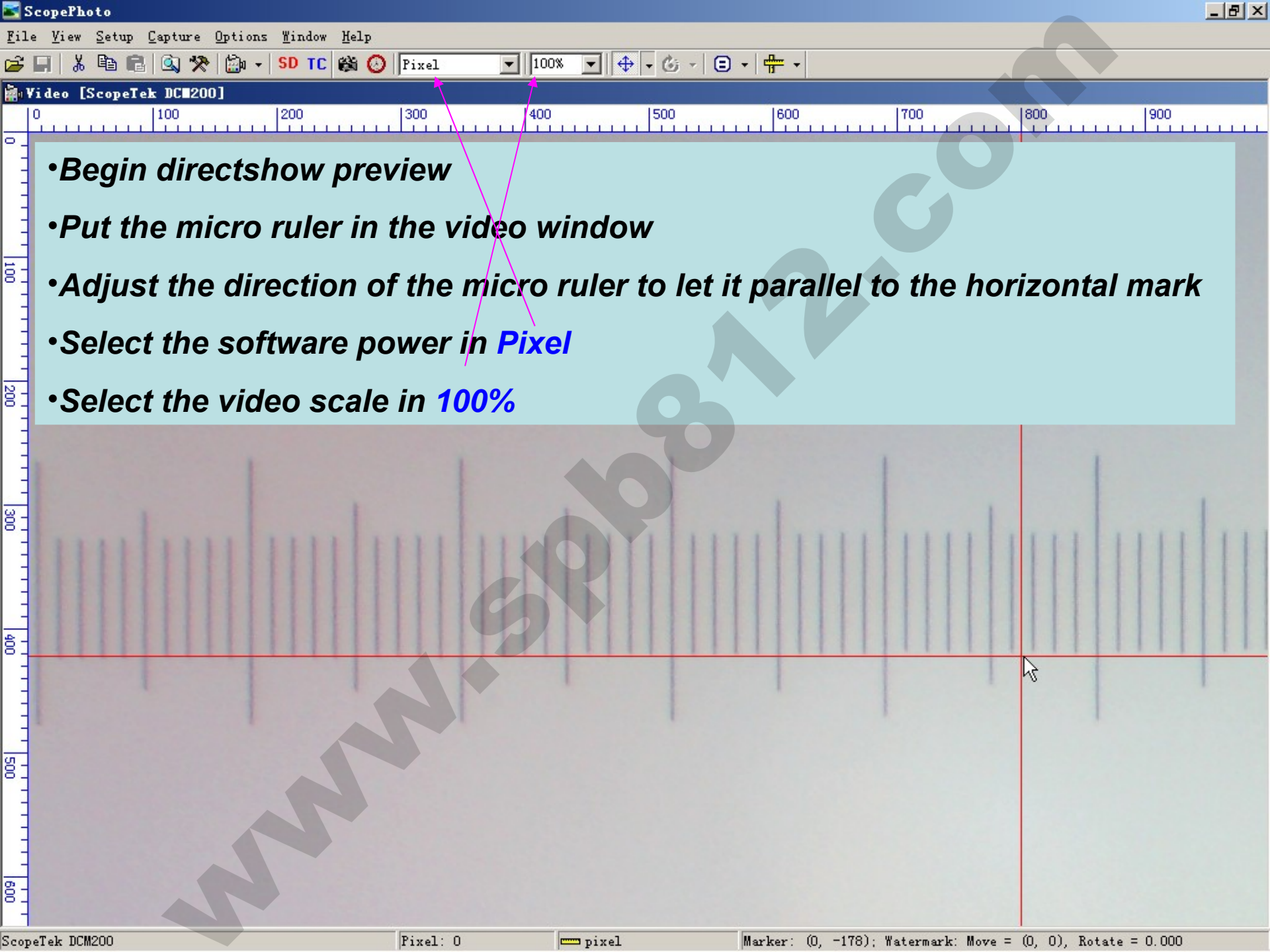
50µm

2007-5-30 8:42:13

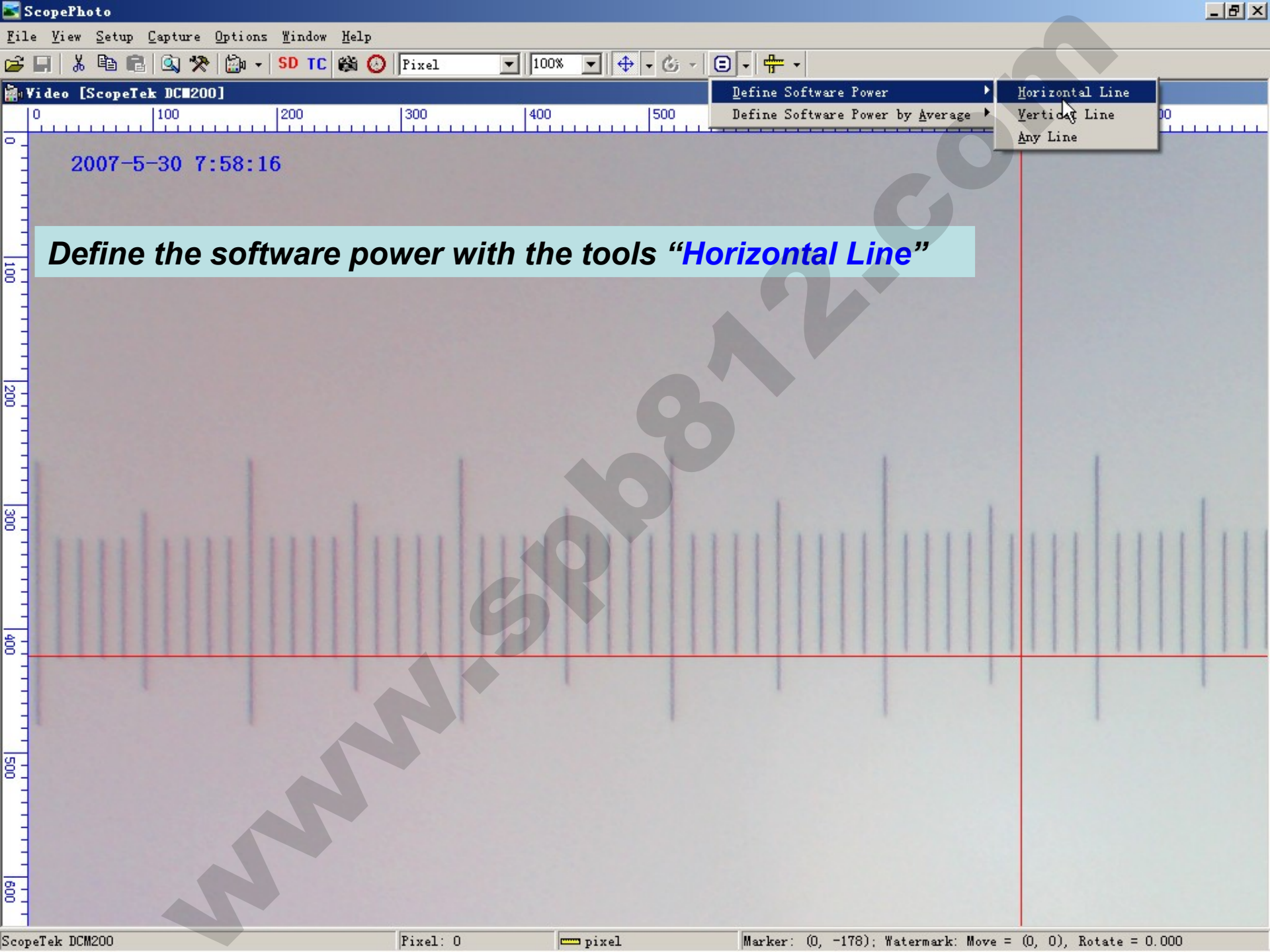


- Capture To Clipboard Ctrl+C
- Capture a Frame
- Auto Capture...
- Start Capture Video...**
- Stop Capture Video...

2007-5-30 8:43:14



- **Begin directshow preview**
- **Put the micro ruler in the video window**
- **Adjust the direction of the micro ruler to let it parallel to the horizontal mark**
- **Select the software power in *Pixel***
- **Select the video scale in *100%***



Define the software power with the tools "Horizontal Line"

Define Software Power

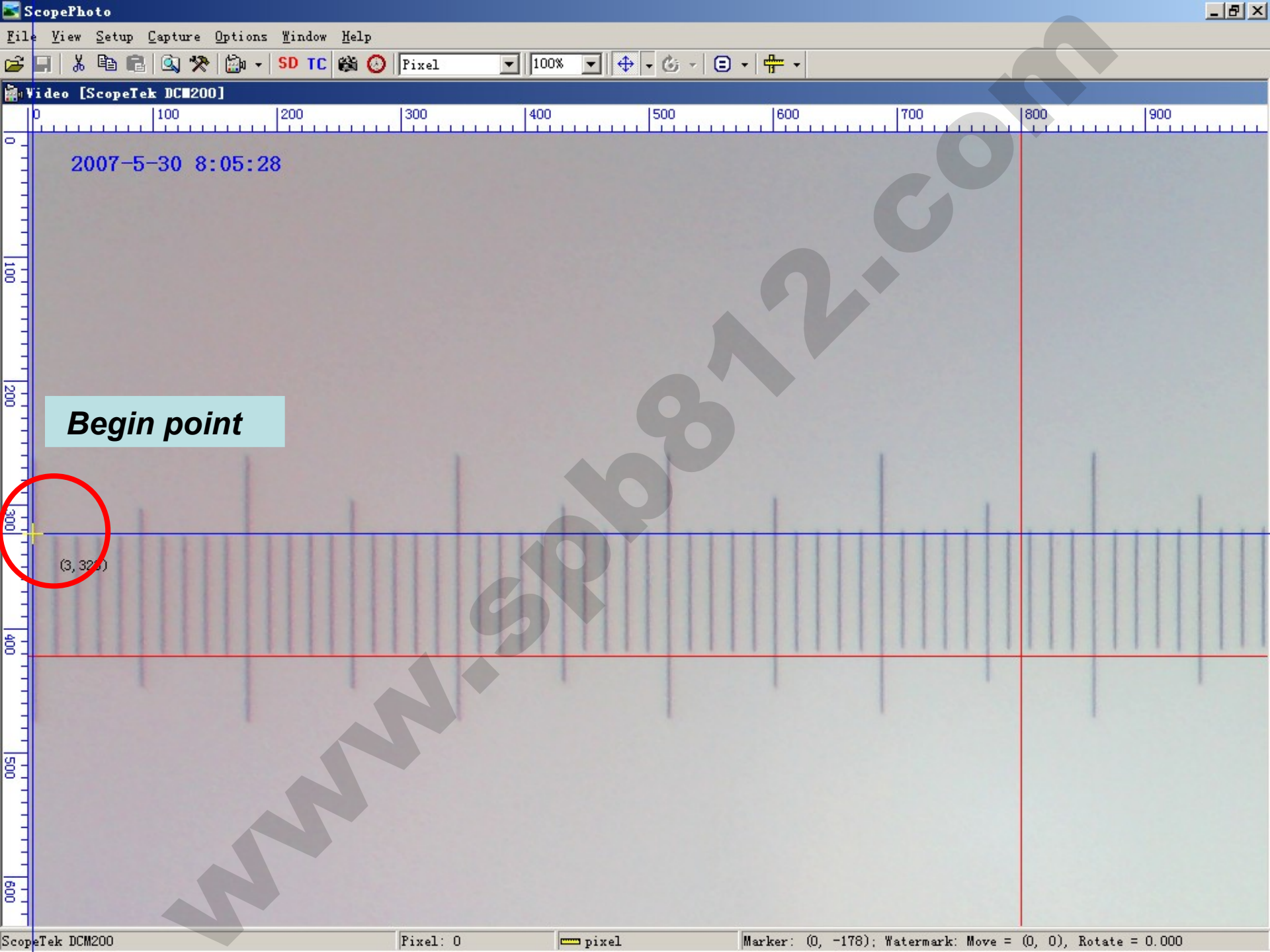
Define Software Power by Average

Horizontal Line

Vertical Line

Any Line

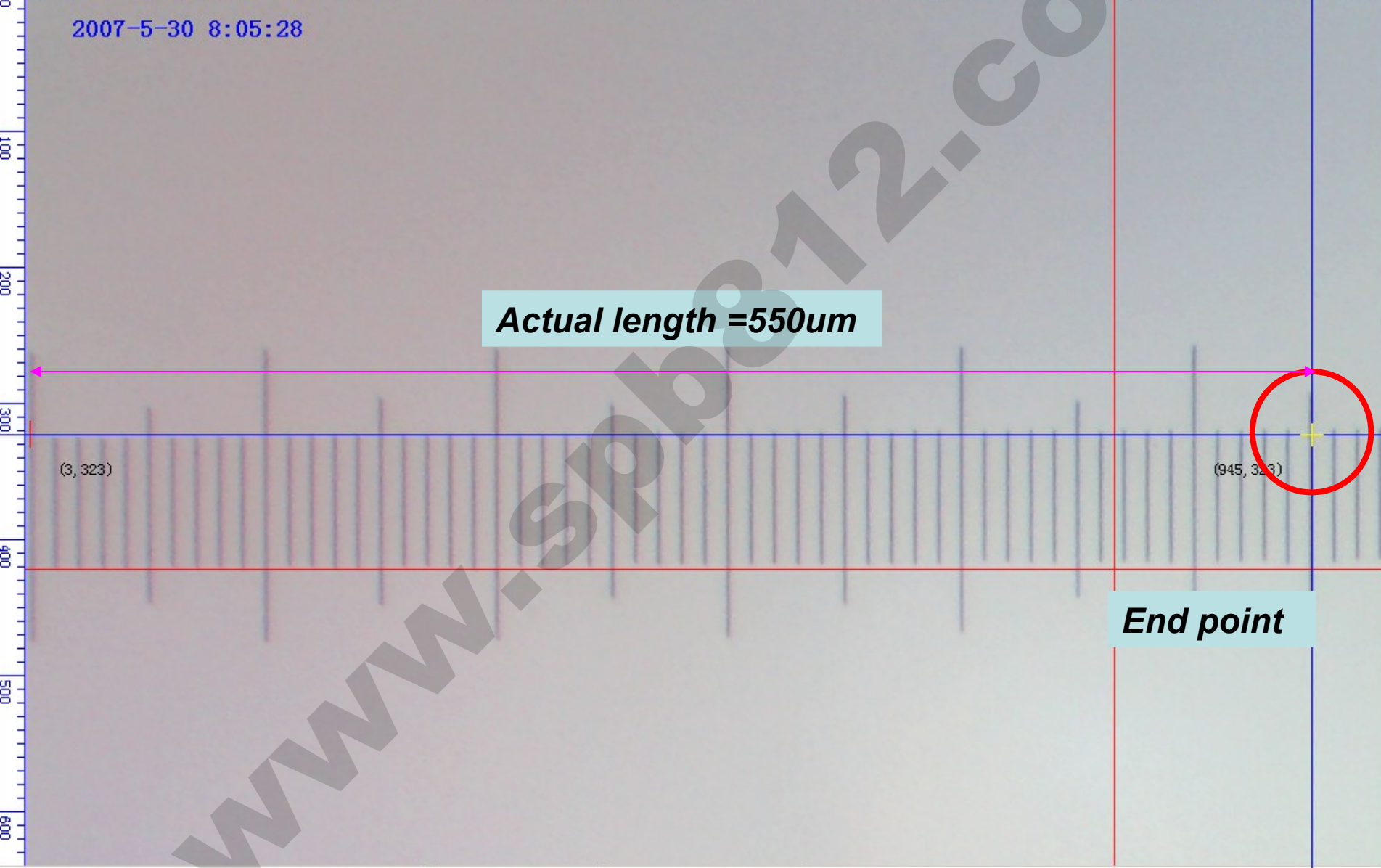
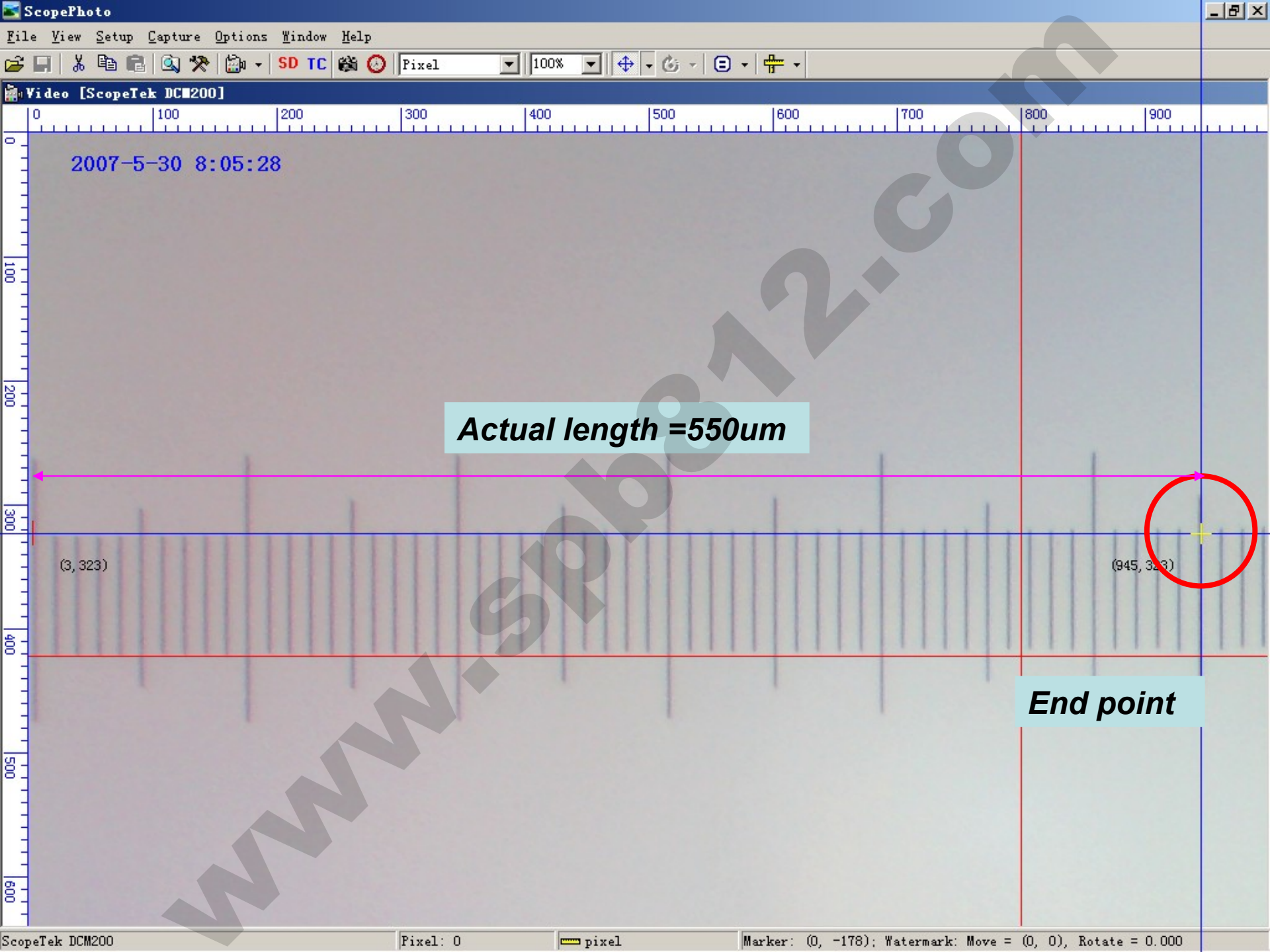
2007-5-30 7:58:16

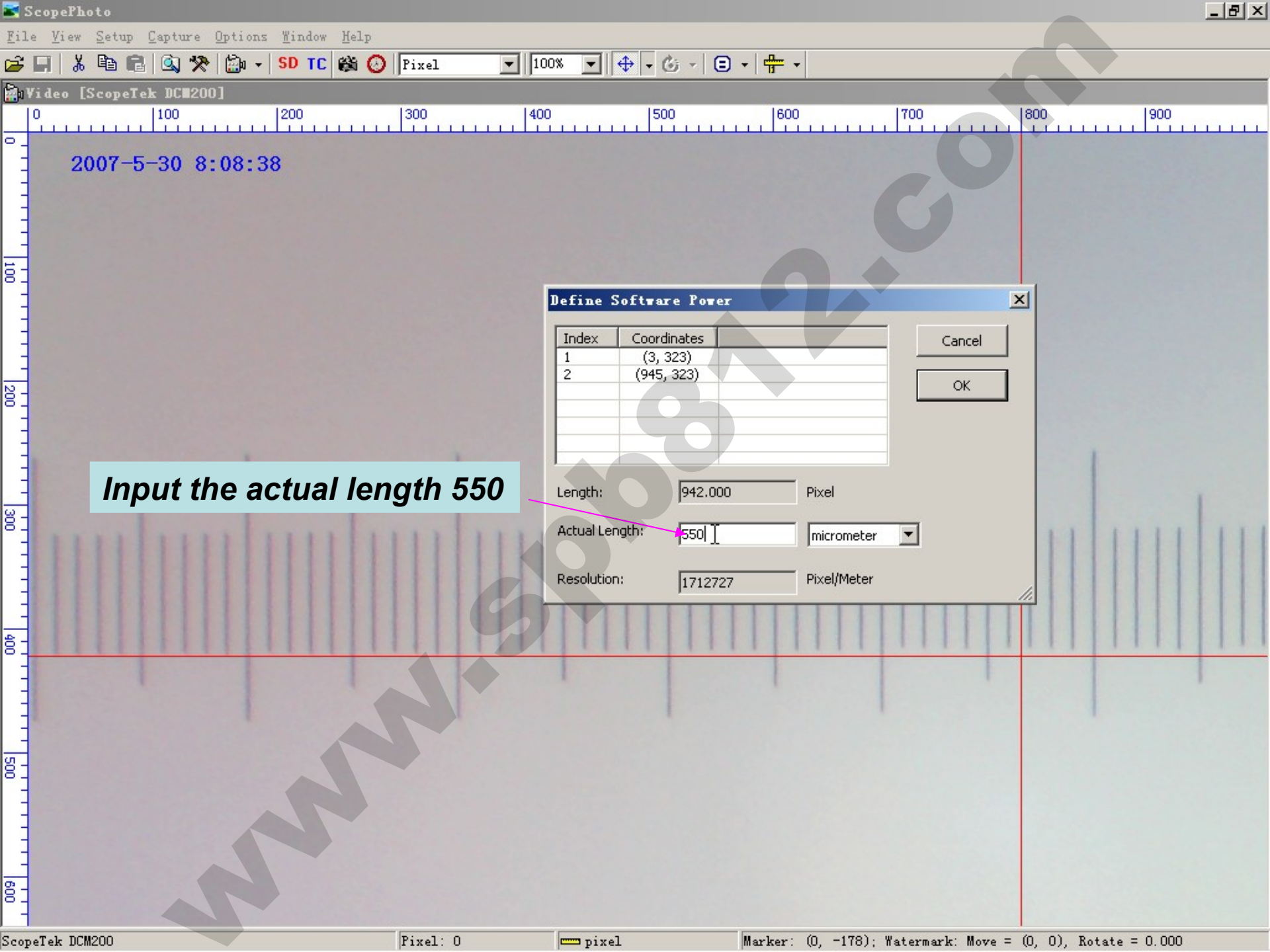


2007-5-30 8:05:28

Begin point

(3, 320)





2007-5-30 8:08:38

Input the actual length 550

Define Software Power

Index	Coordinates
1	(3, 323)
2	(945, 323)

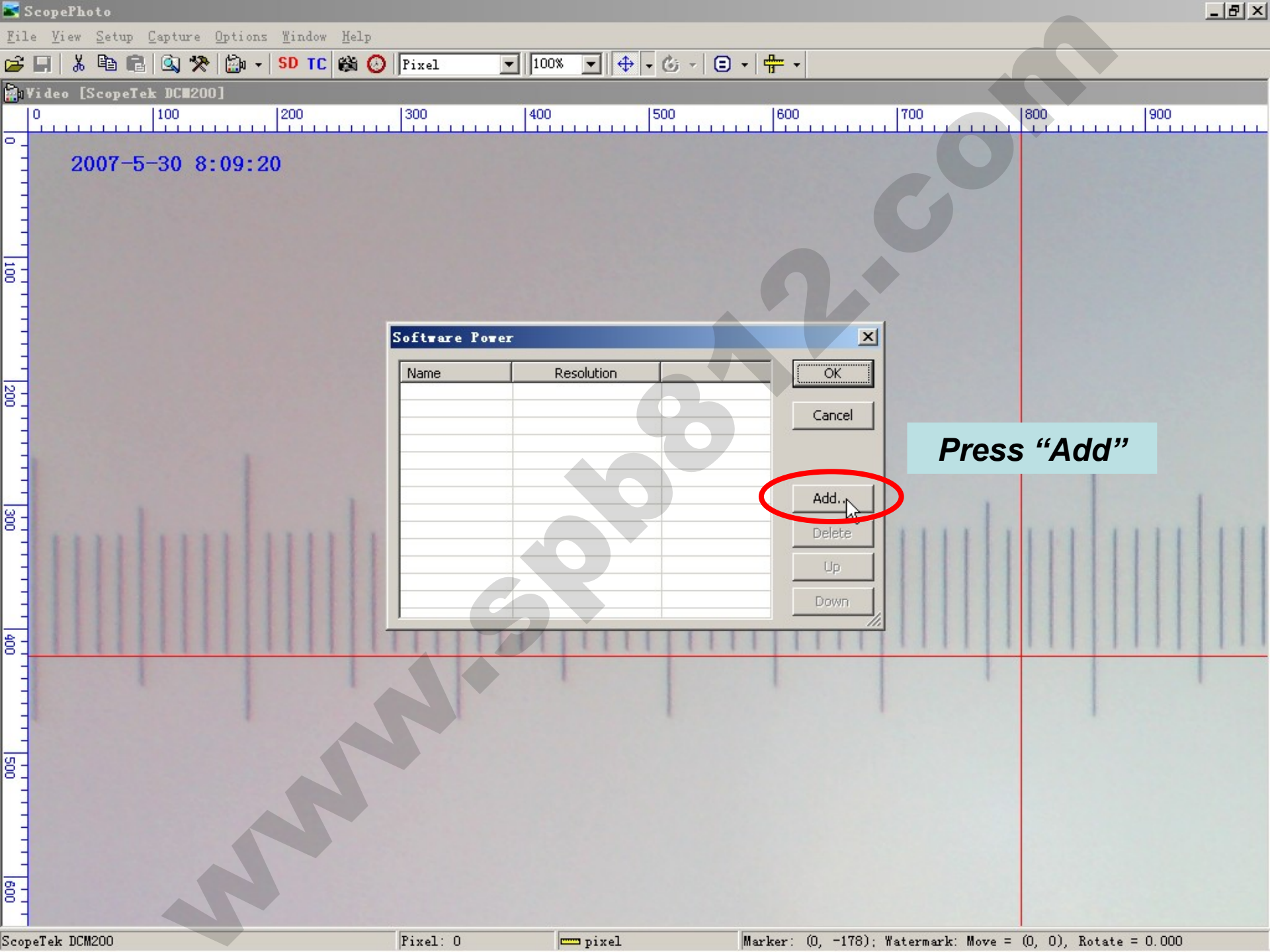
Length: 942.000 Pixel

Actual Length: 550 micrometer

Resolution: 1712727 Pixel/Meter

Cancel

OK



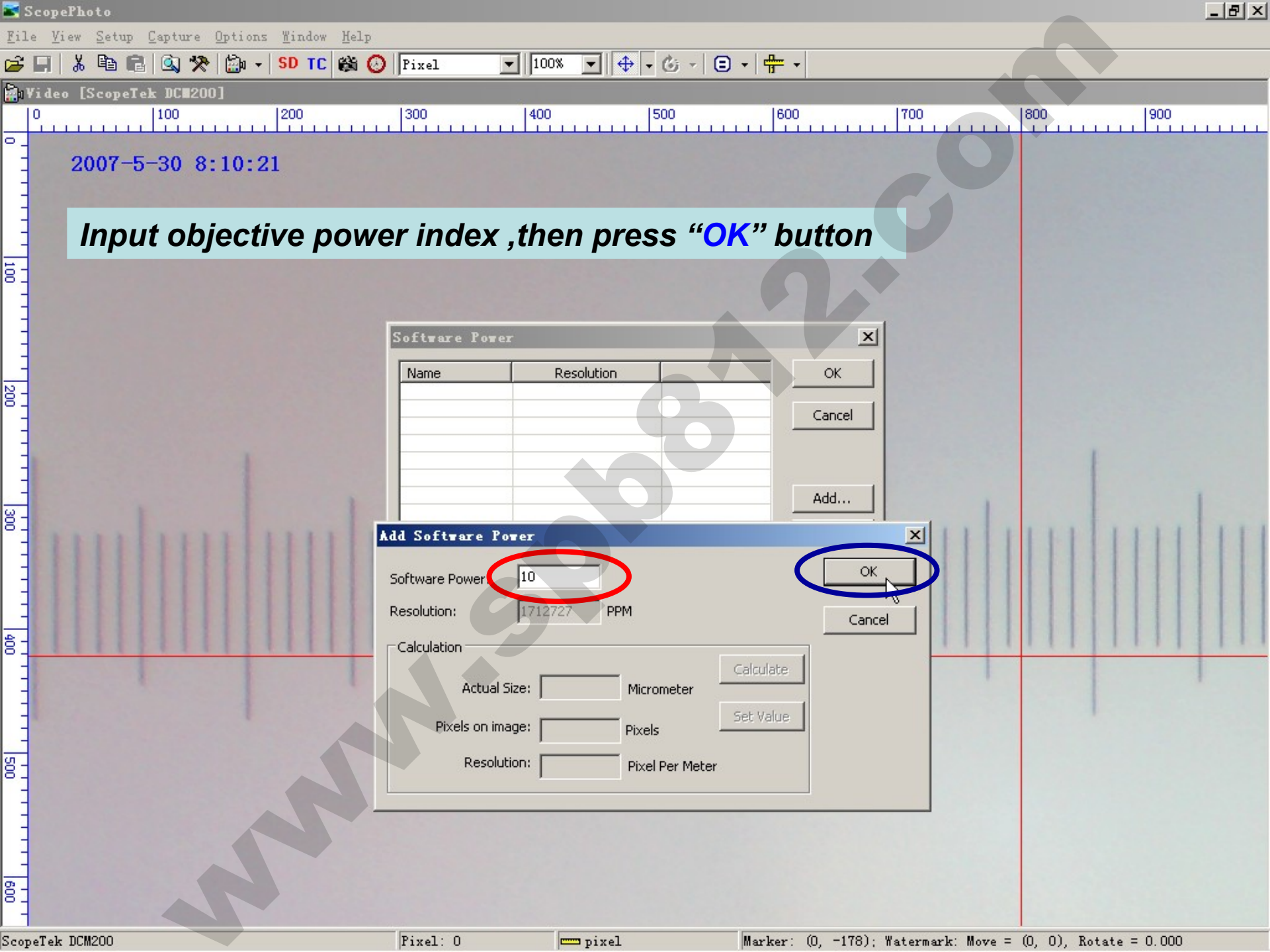
2007-5-30 8:09:20

Software Power

Name	Resolution

OK
Cancel
Add...
Delete
Up
Down

Press "Add"



2007-5-30 8:10:21

Input objective power index ,then press “OK” button

Software Power

Name	Resolution

OK
Cancel
Add...

Add Software Power

Software Power:

Resolution: PPM

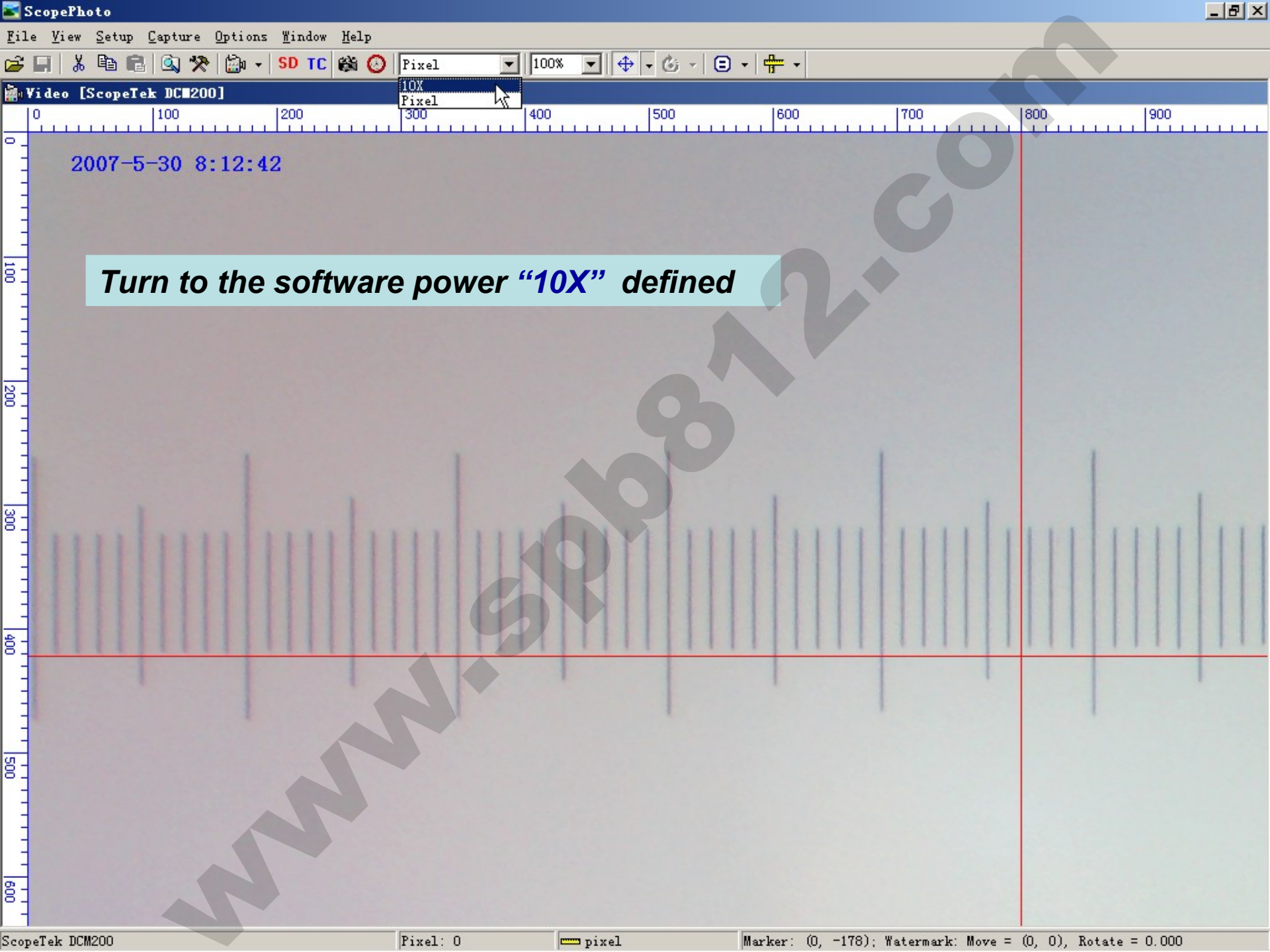
Calculation

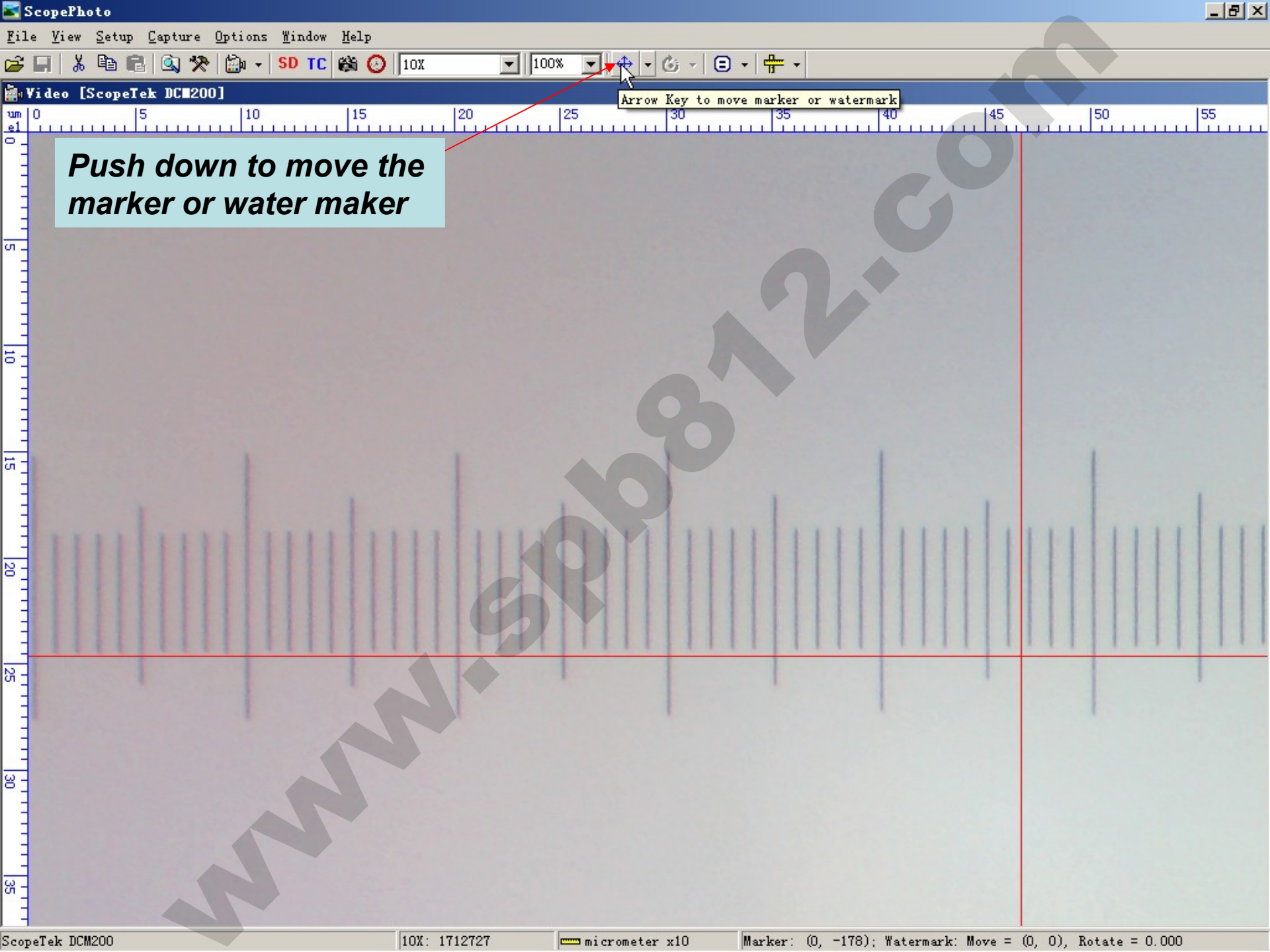
Actual Size: Micrometer

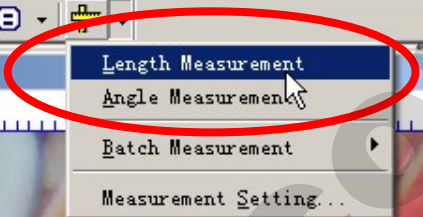
Pixels on image: Pixels

Resolution: Pixel Per Meter

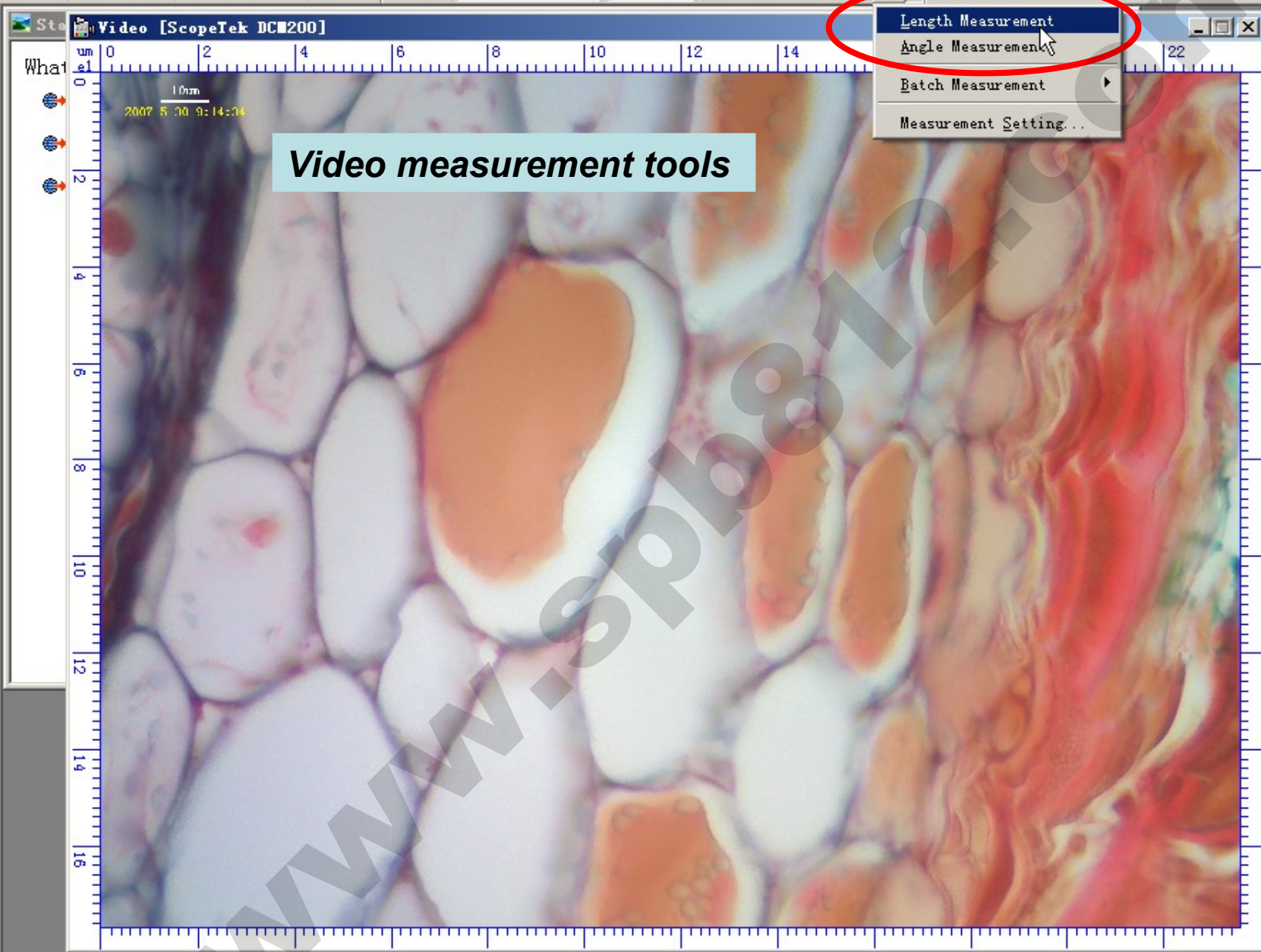
OK
Cancel

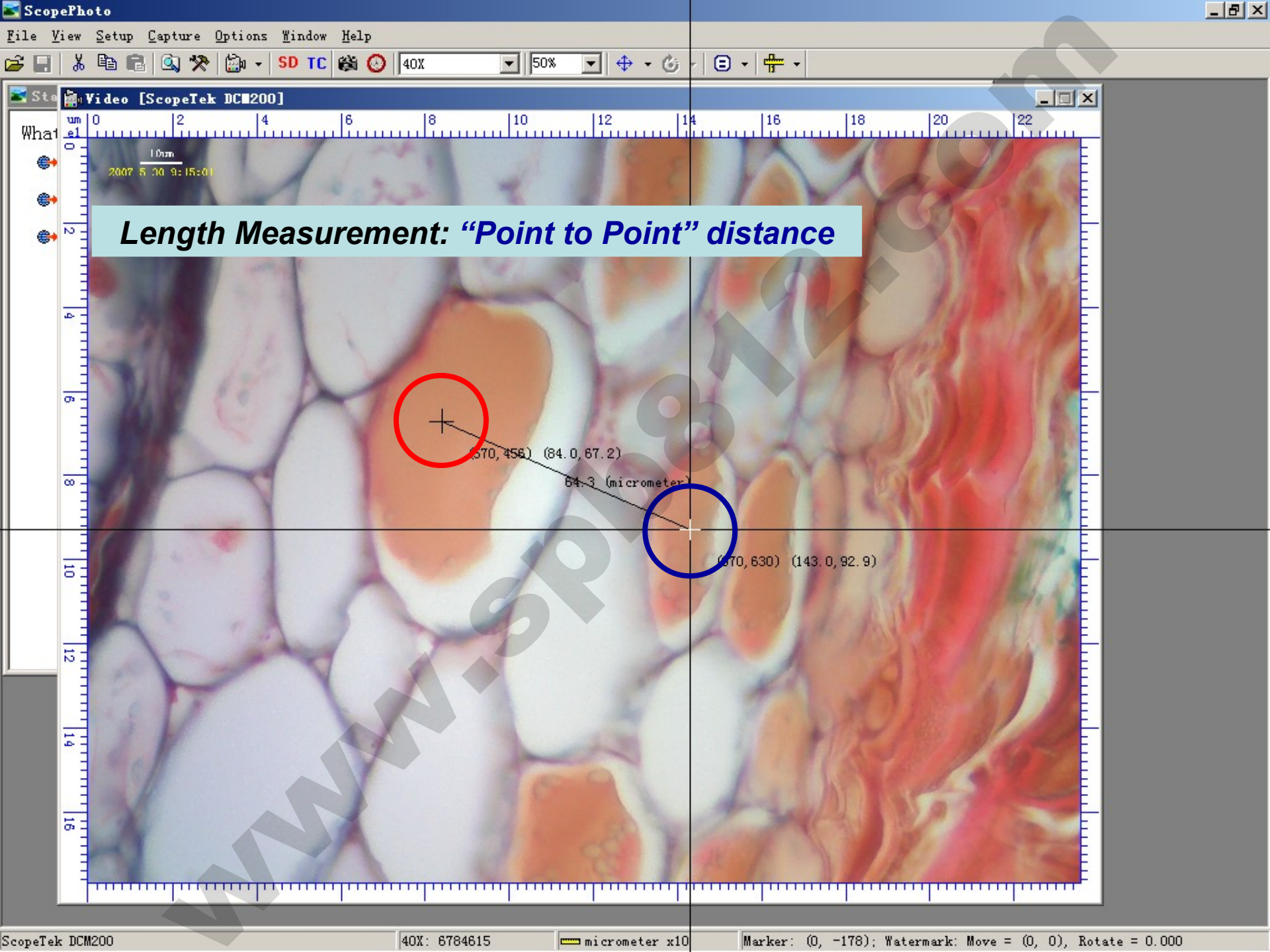






Video measurement tools





Length Measurement: "Point to Point" distance

(370, 456) (84.0, 67.2)

84.3 (micrometer)

(370, 630) (143.0, 92.9)

Length measurement result

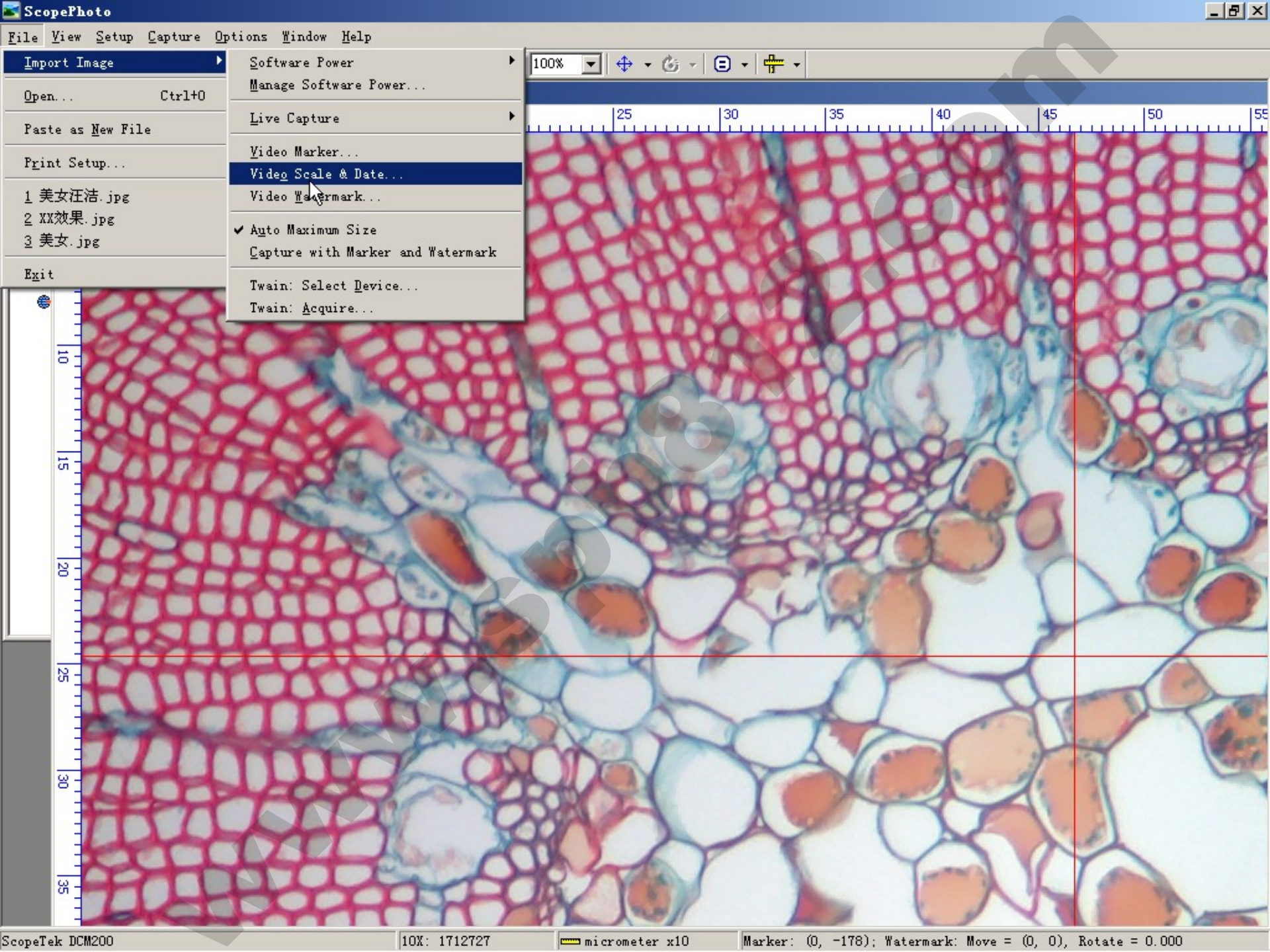
Measurement

Index	Location
1	(285,228)
2	(485,315)

Process

Measurement: 64.3 (micrometer)

Close

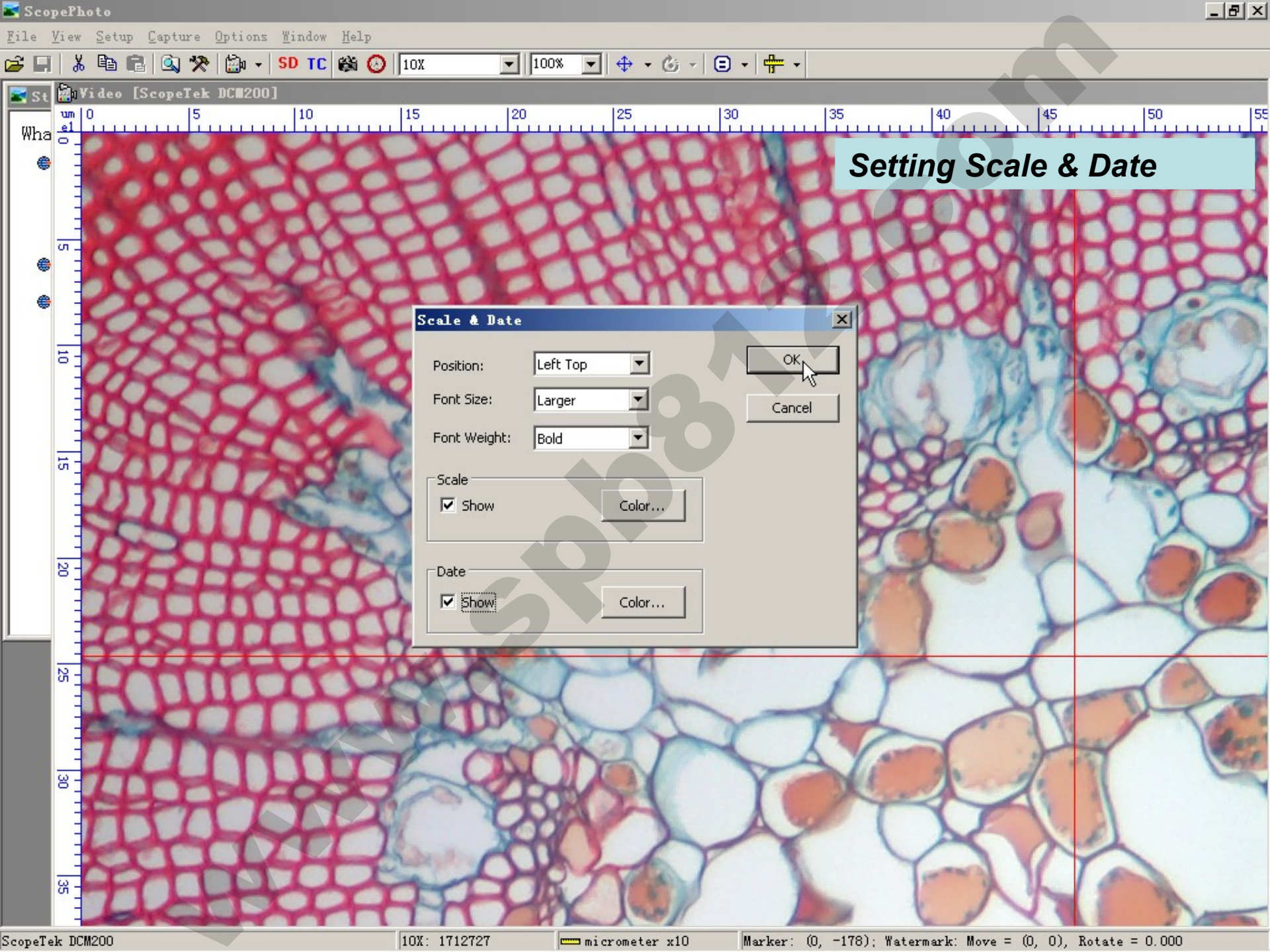


- Import Image
- Open... Ctrl+O
- Paste as New File
- Print Setup...
- 1 美女汪洁.jpg
- 2 XX效果.jpg
- 3 美女.jpg
- Exit
- Software Power
 - Manage Software Power...
- Live Capture
 - Video Marker...
 - Video Scale & Date...
 - Video Watermark...
- Auto Maximum Size
- Capture with Marker and Watermark
- Twain: Select Device...
- Twain: Acquire...

100% [Zoom In] [Zoom Out] [Reset] [Fit]

25 30 35 40 45 50 55

10
15
20
25
30
35



Setting Scale & Date

Scale & Date

Position:

Font Size:

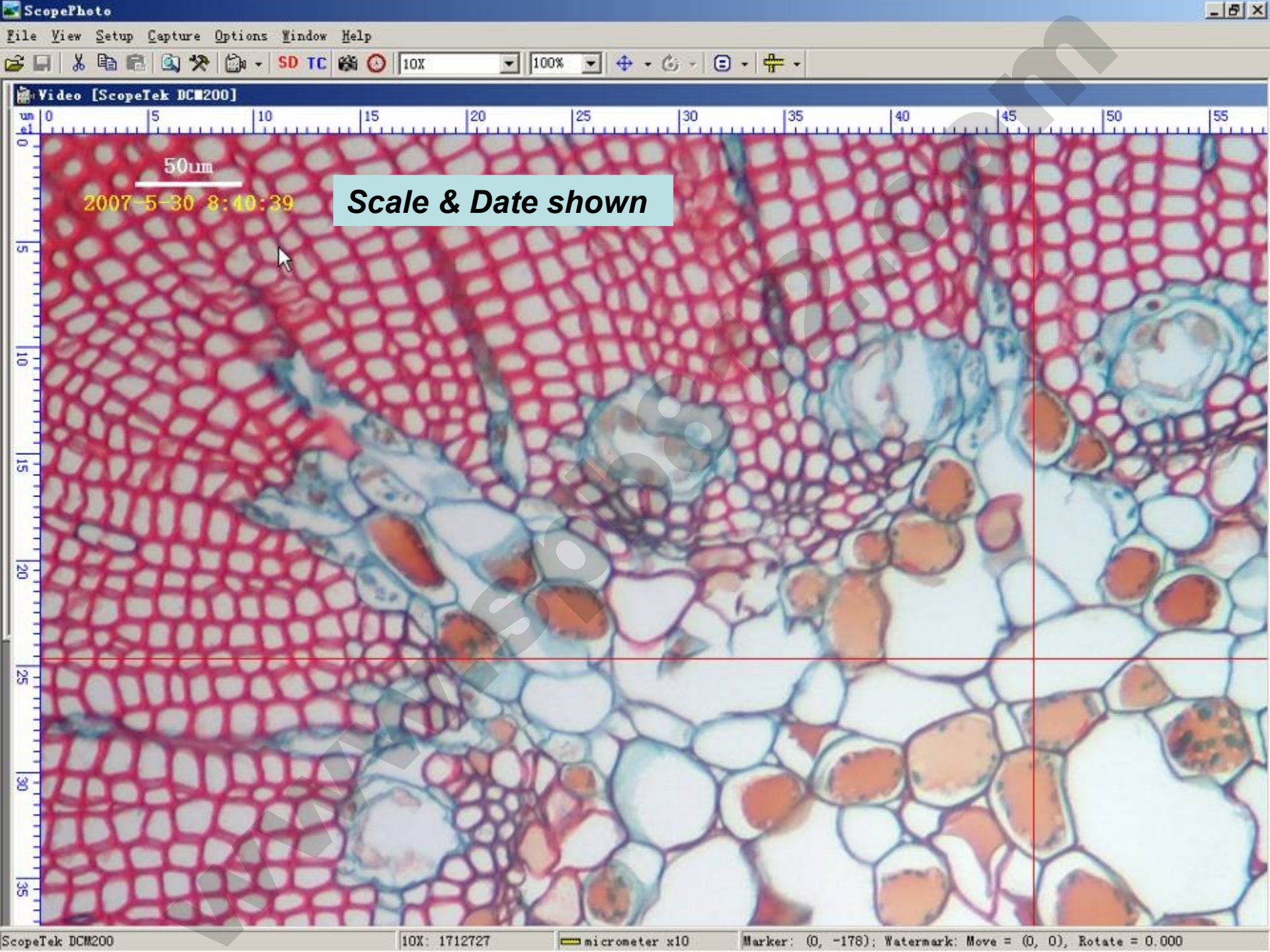
Font Weight:

Scale

Show

Date

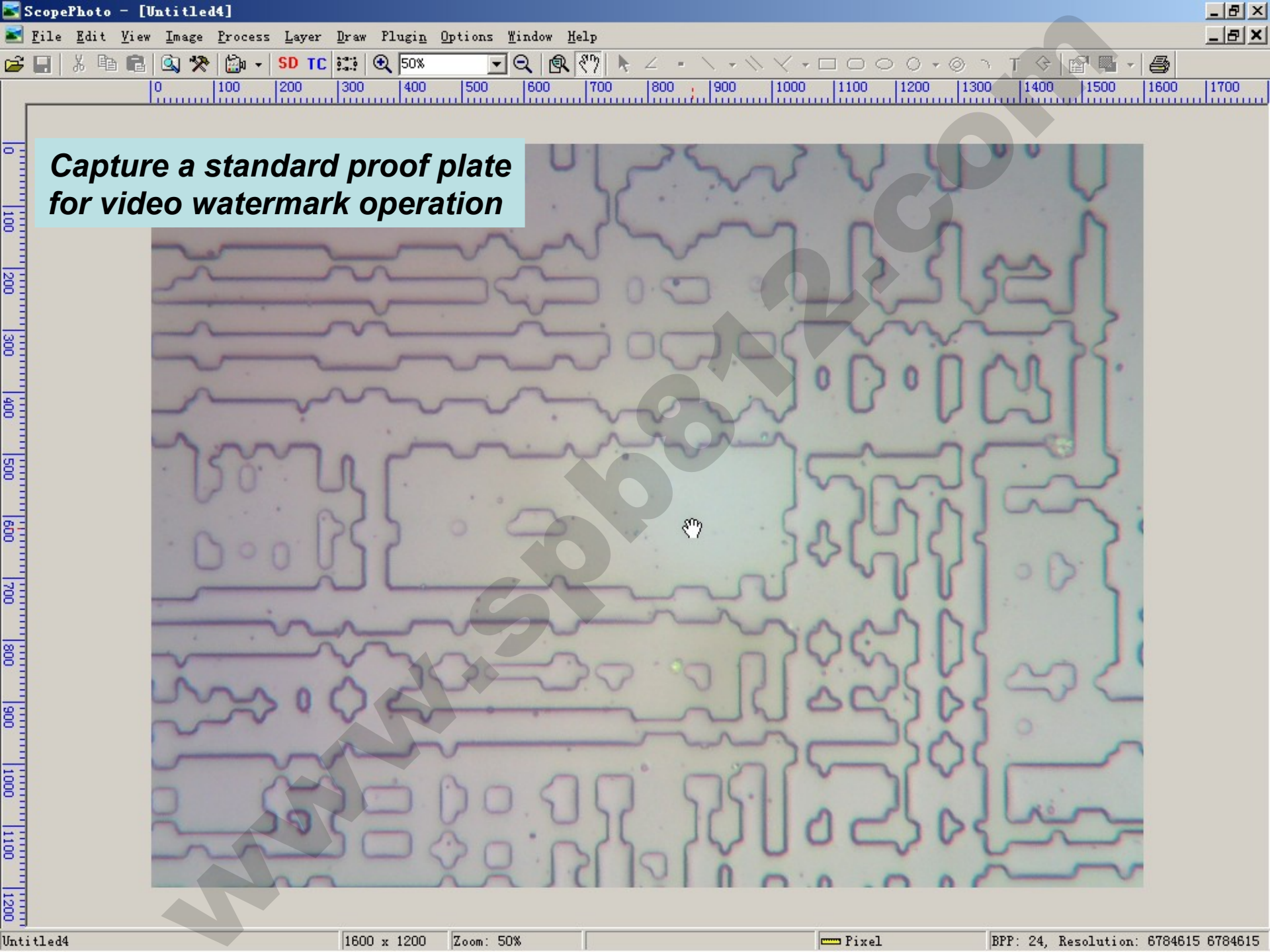
Show



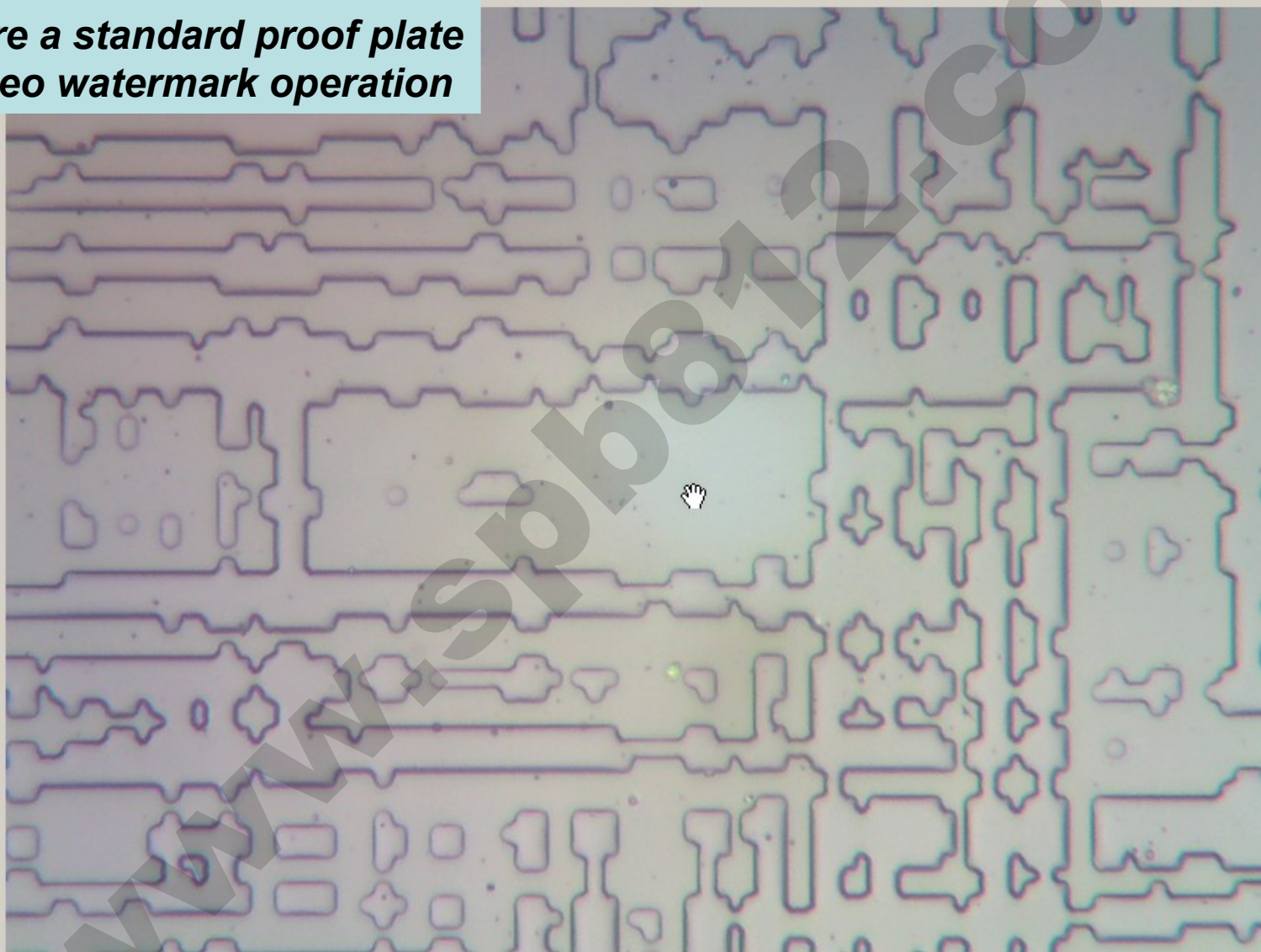
50µm

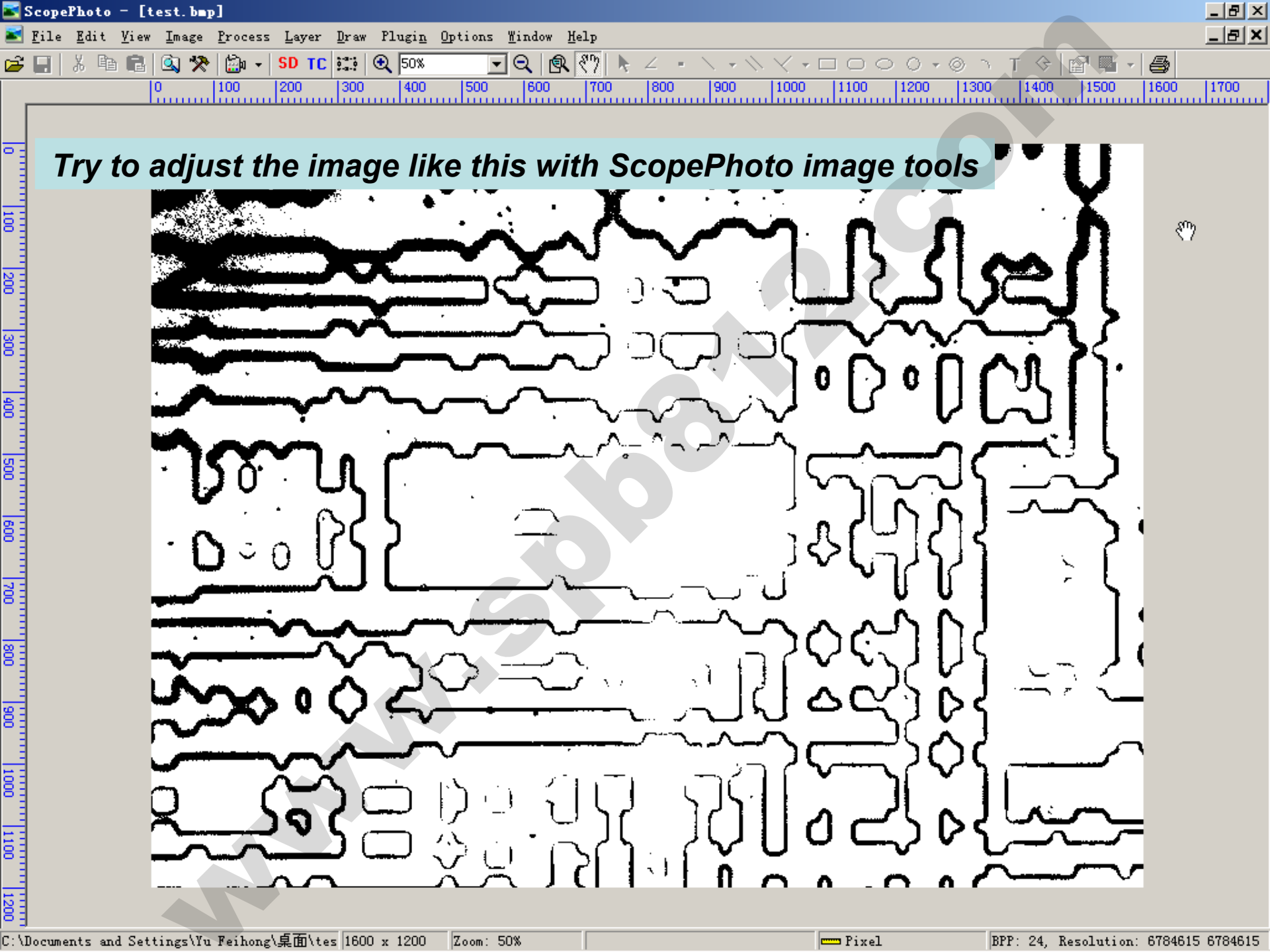
2007-5-30 8:40:39

Scale & Date shown

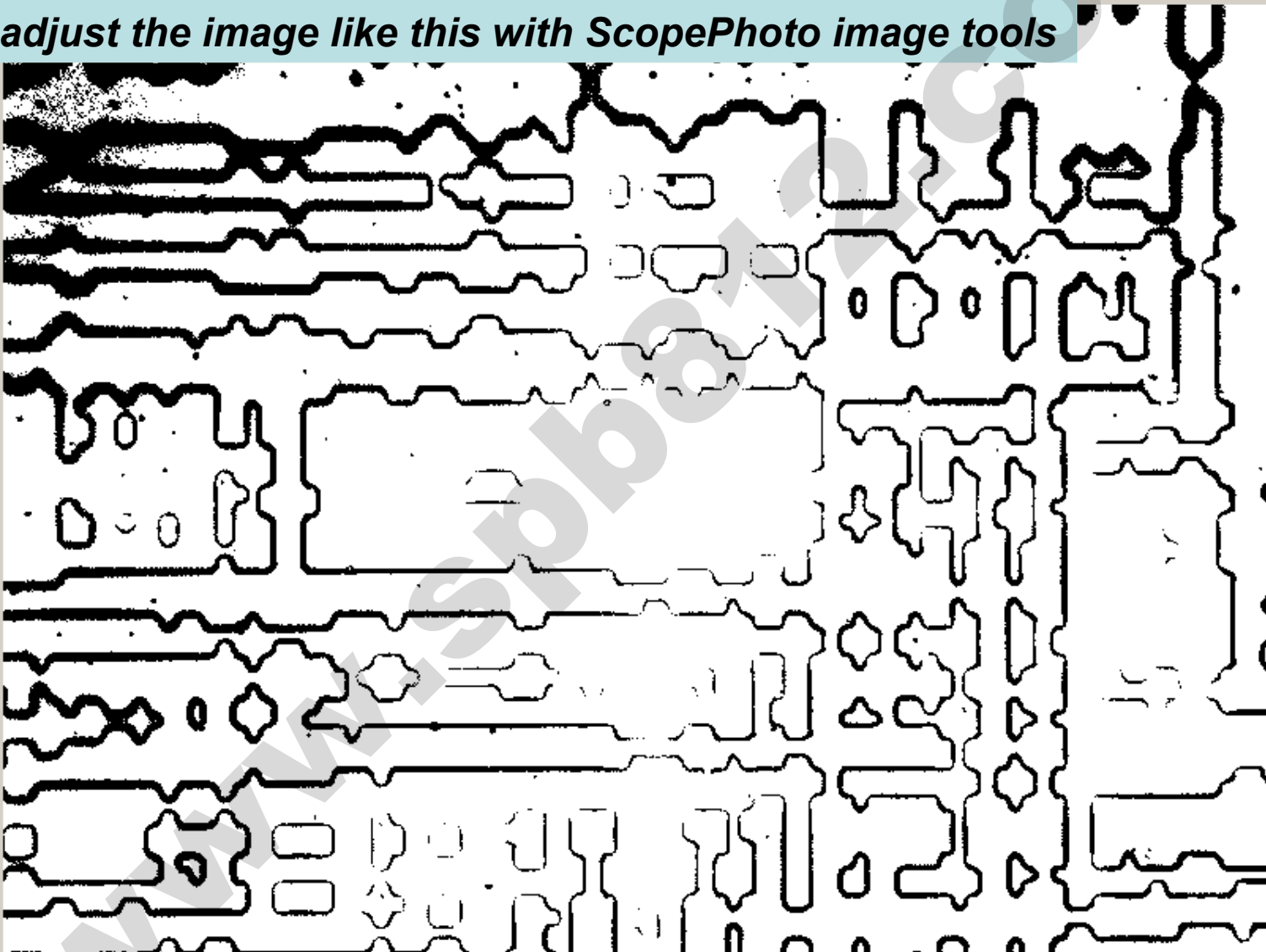


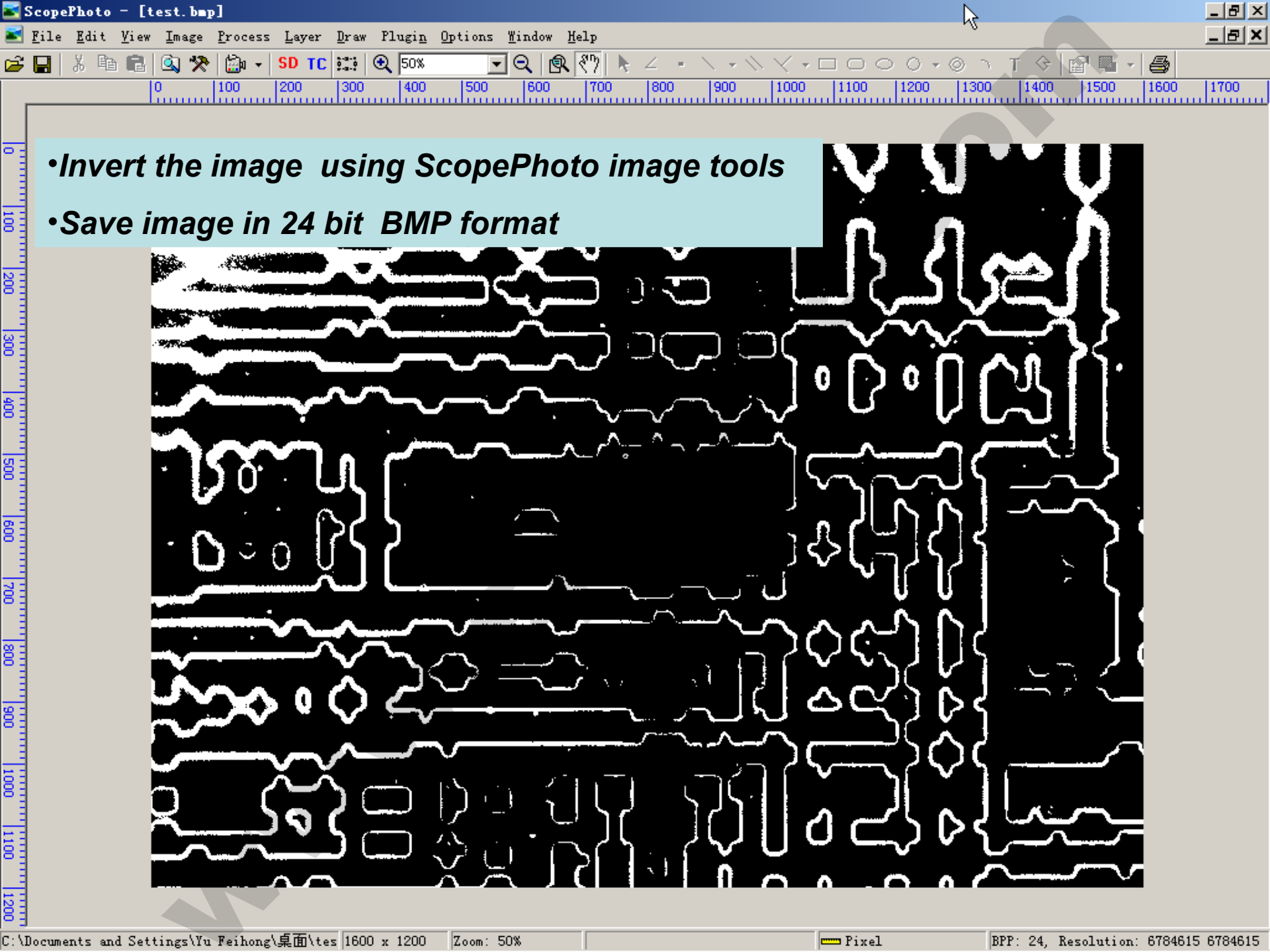
***Capture a standard proof plate
for video watermark operation***



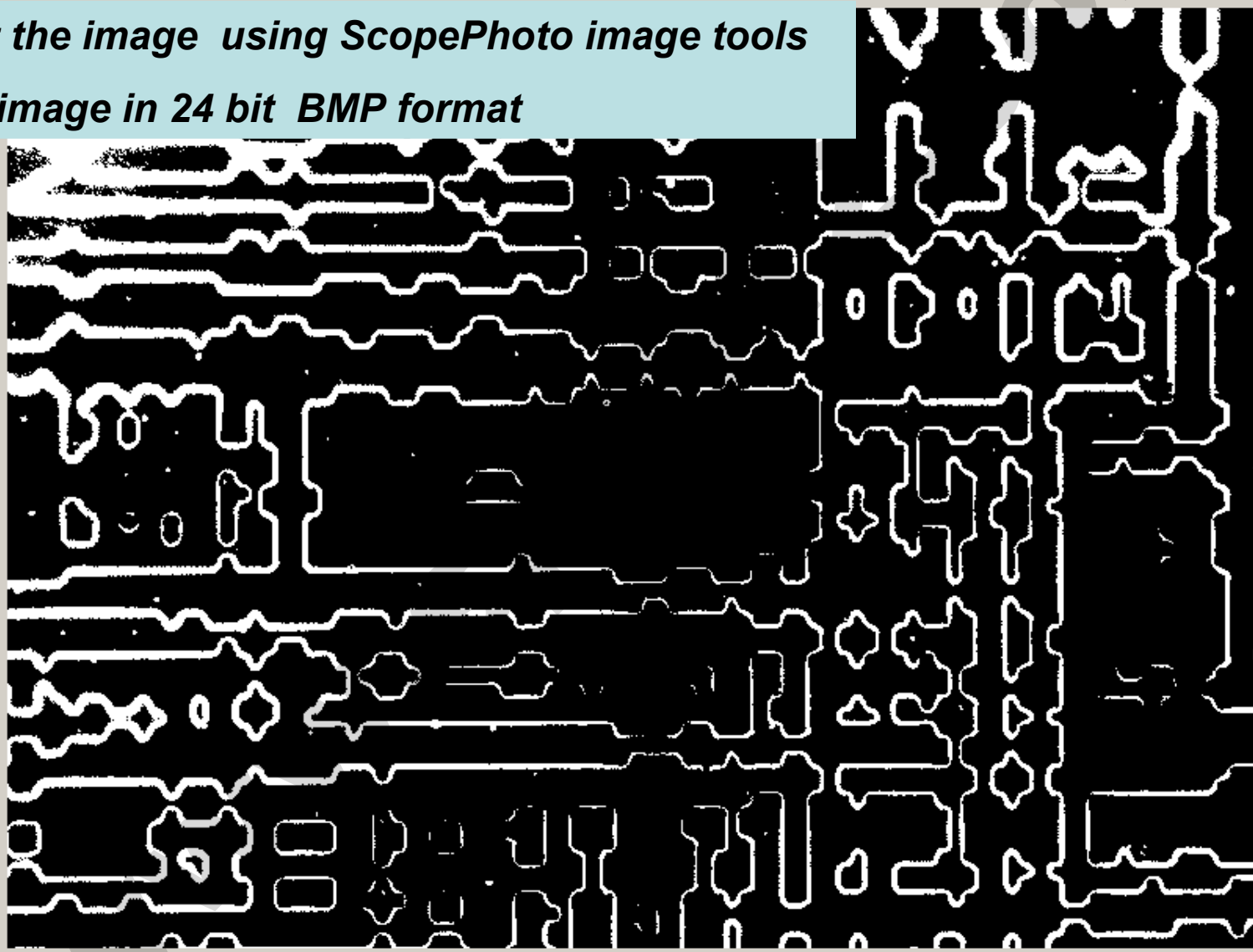


Try to adjust the image like this with ScopePhoto image tools

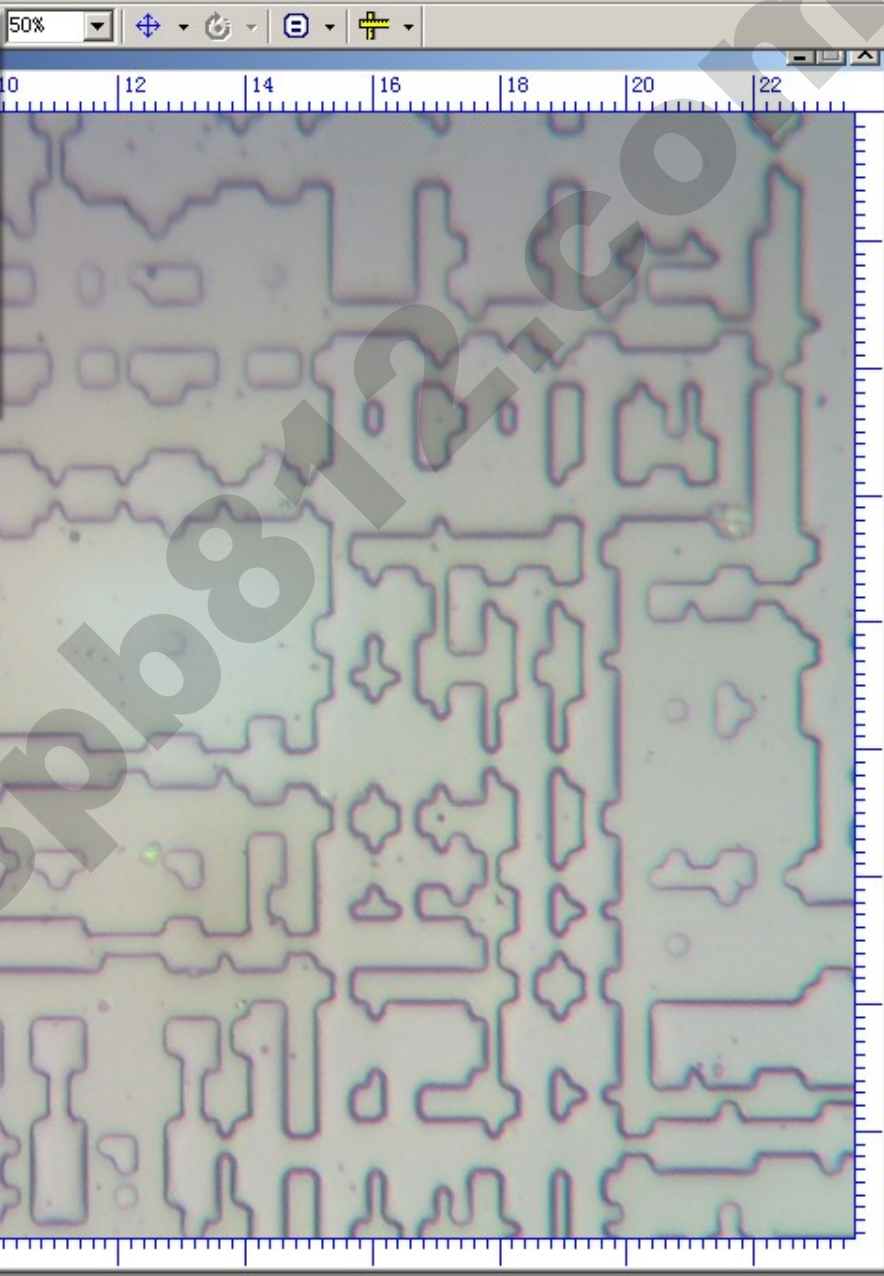


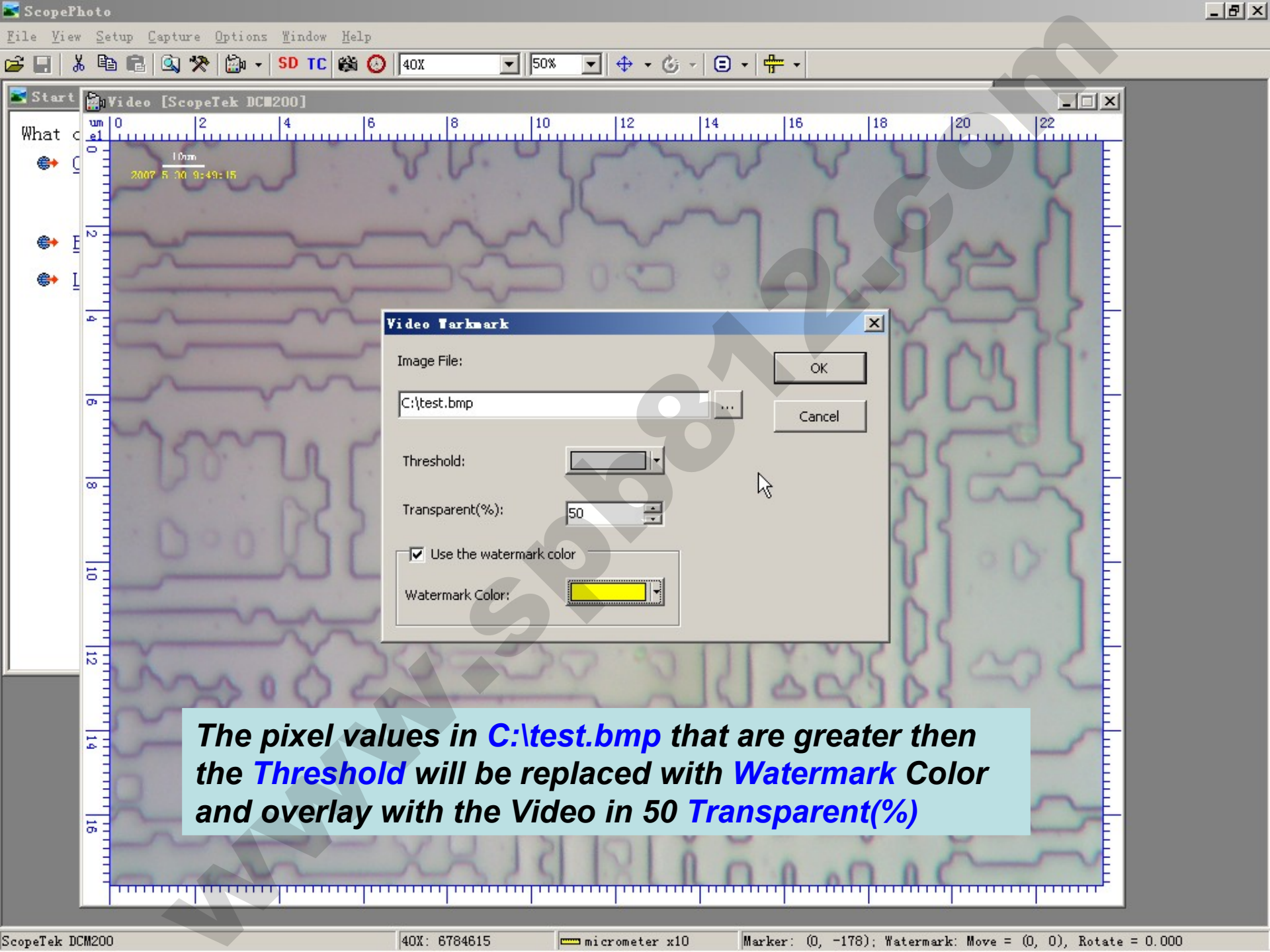


- *Invert the image using ScopePhoto image tools*
- *Save image in 24 bit BMP format*

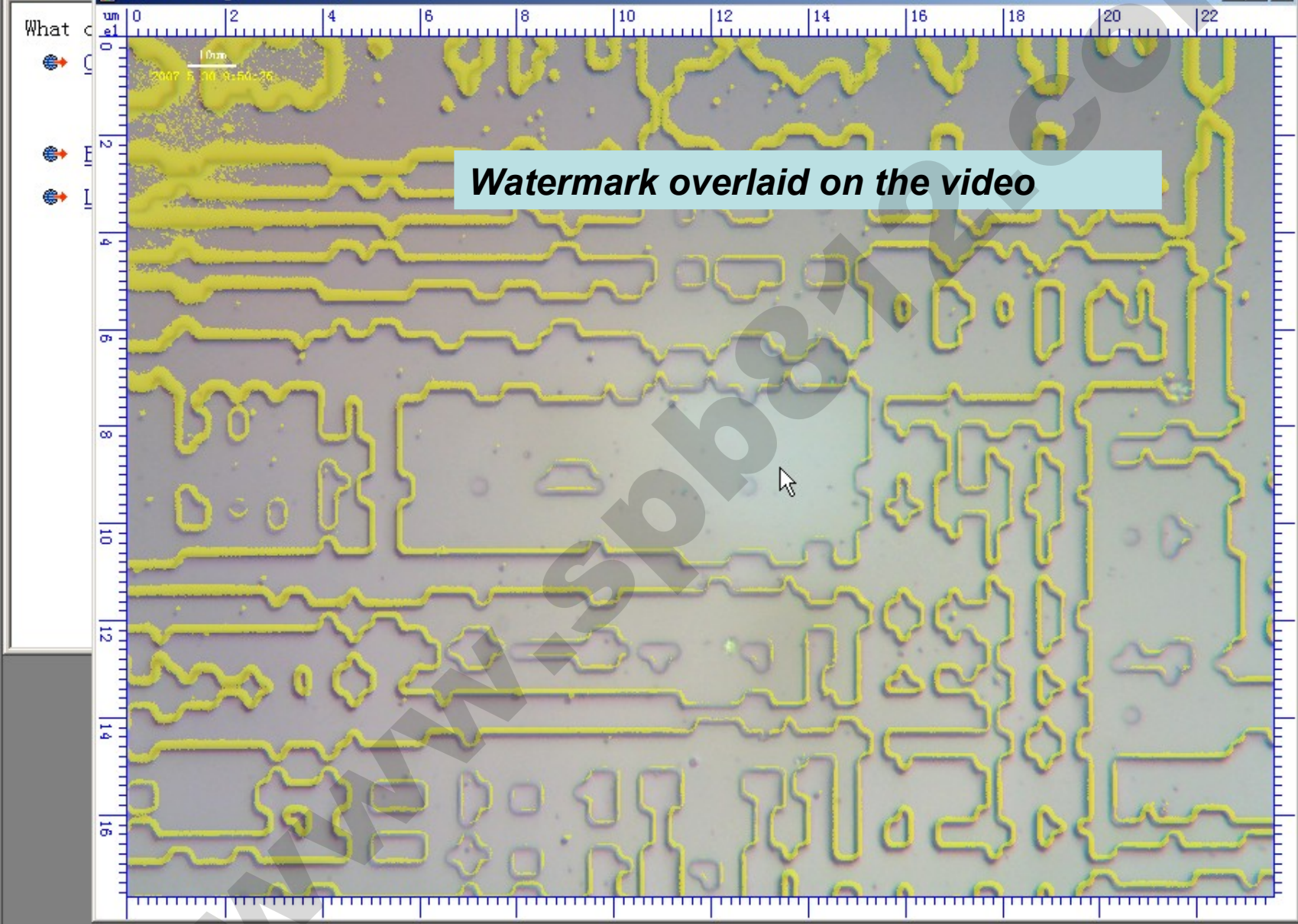


- Import Image ▶
 - Software Power
 - Manage Software Power...
 - Live Capture ▶
 - Video Marker...
 - Video Scale & Date...
 - Video Watermark...
 - ✓ Auto Maximum Size
 - Capture with Marker and Watermark
- Open... Ctrl+O
- Paste as New File
- Print Setup...
- 1 test.bmp
- Exit

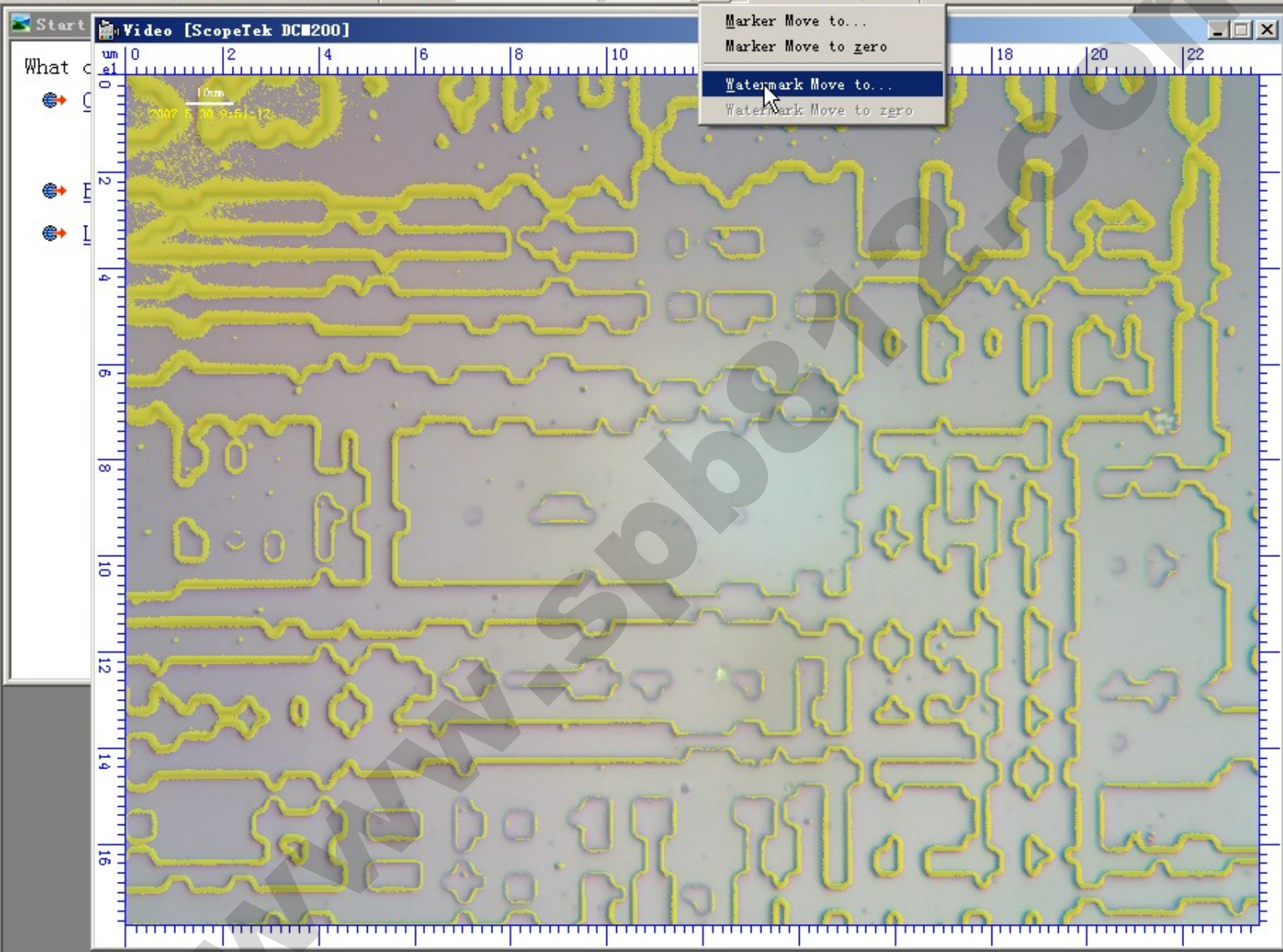


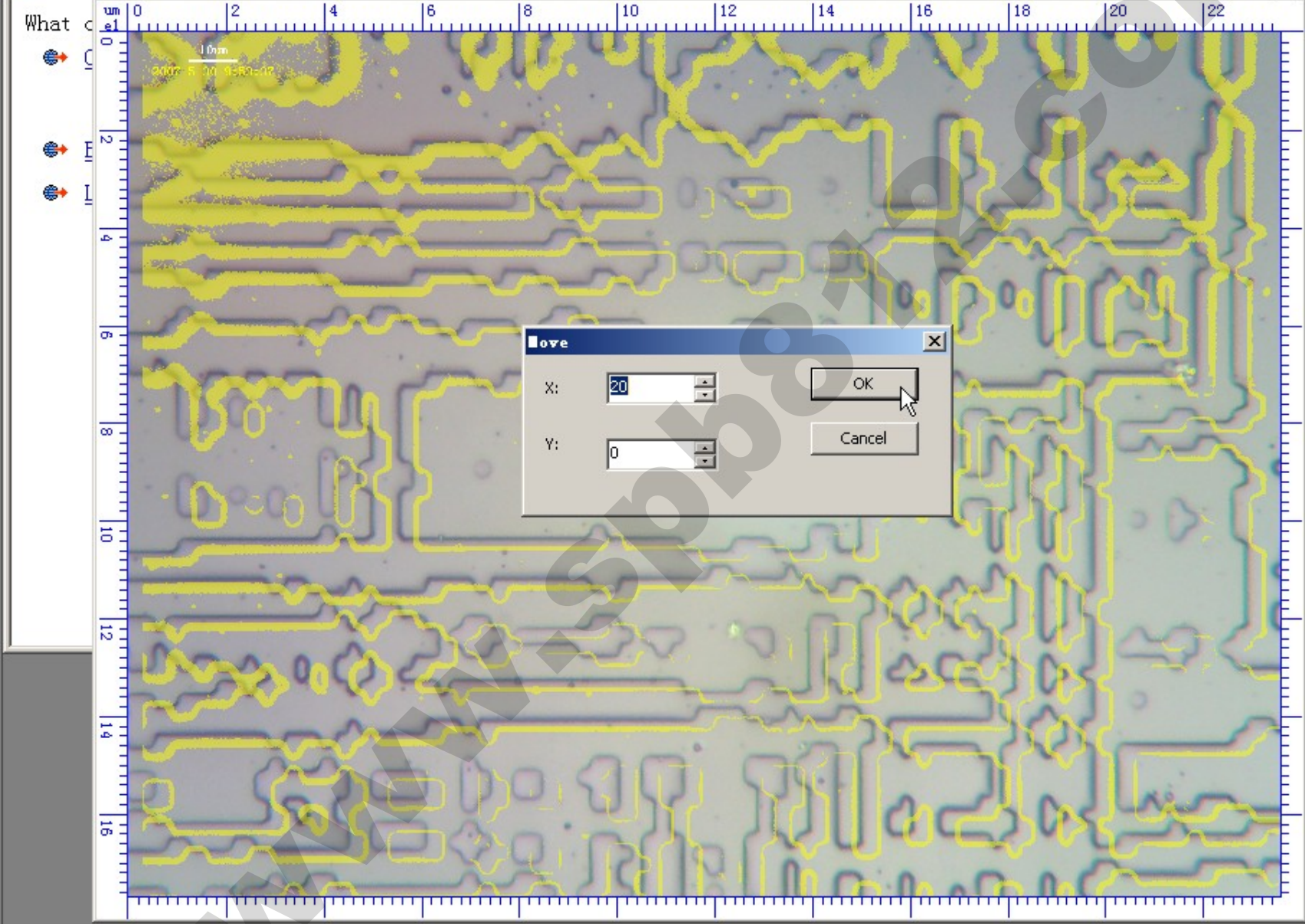


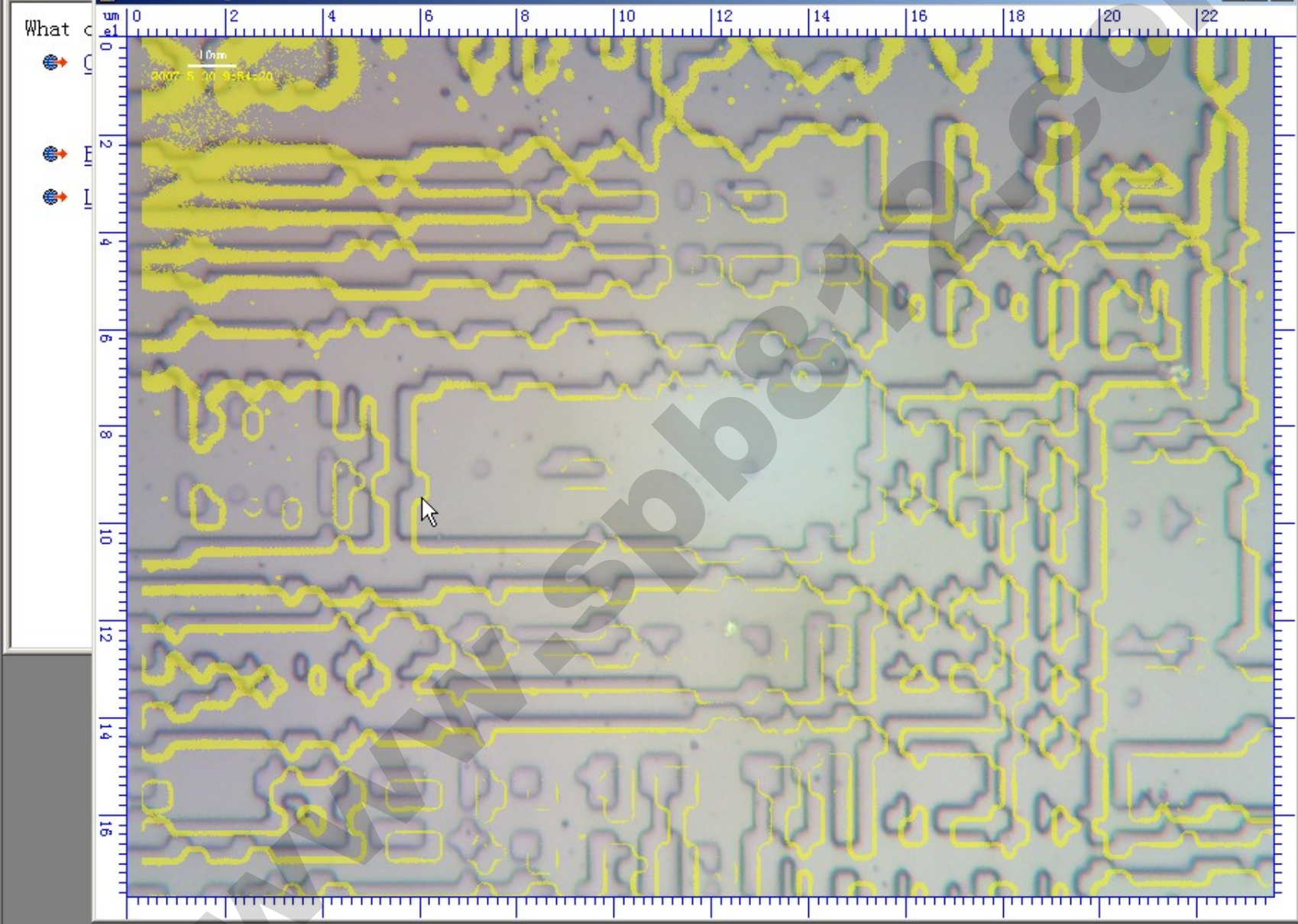
The pixel values in `C:\test.bmp` that are greater than the `Threshold` will be replaced with `Watermark Color` and overlay with the Video in 50 `Transparent(%)`

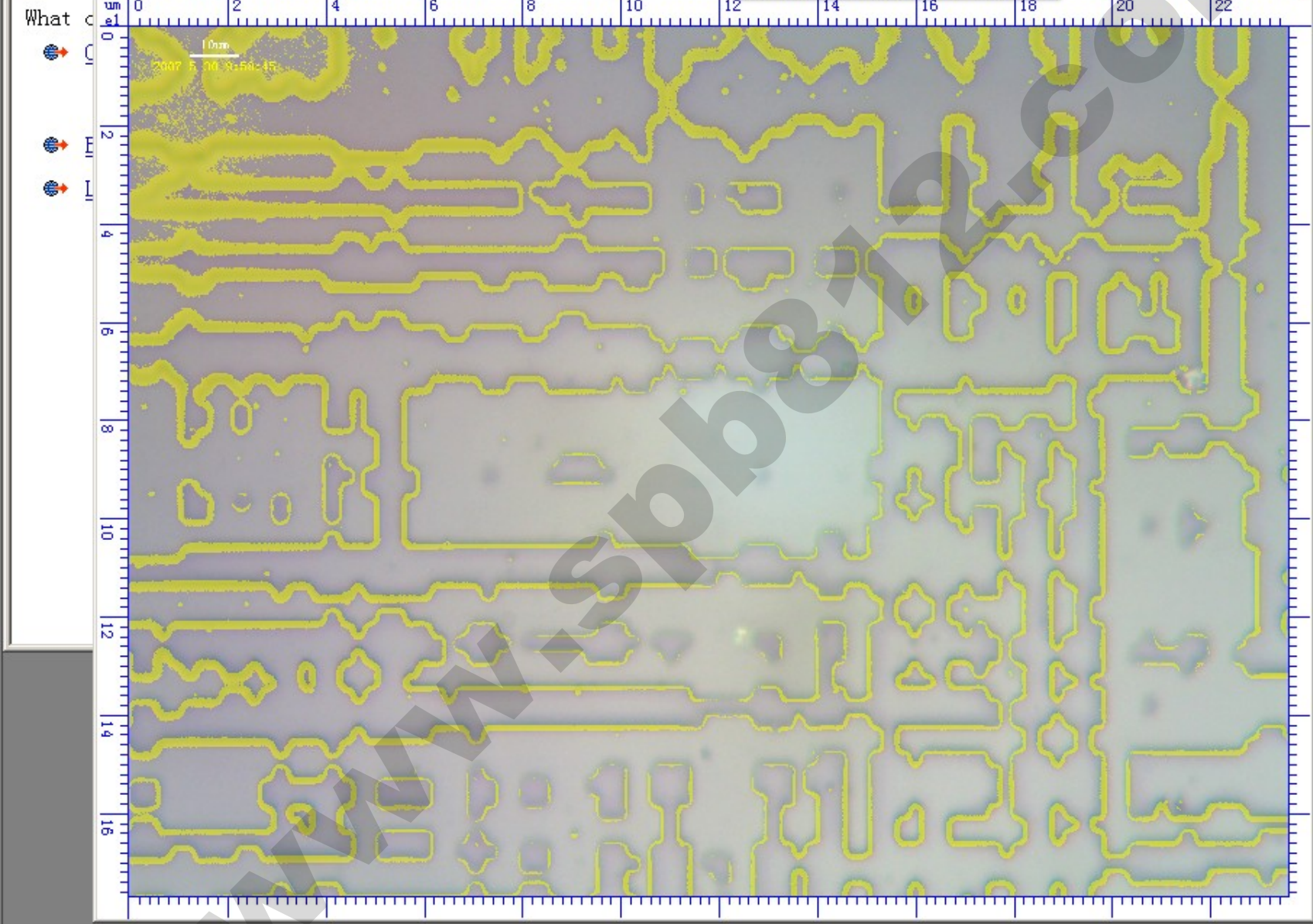


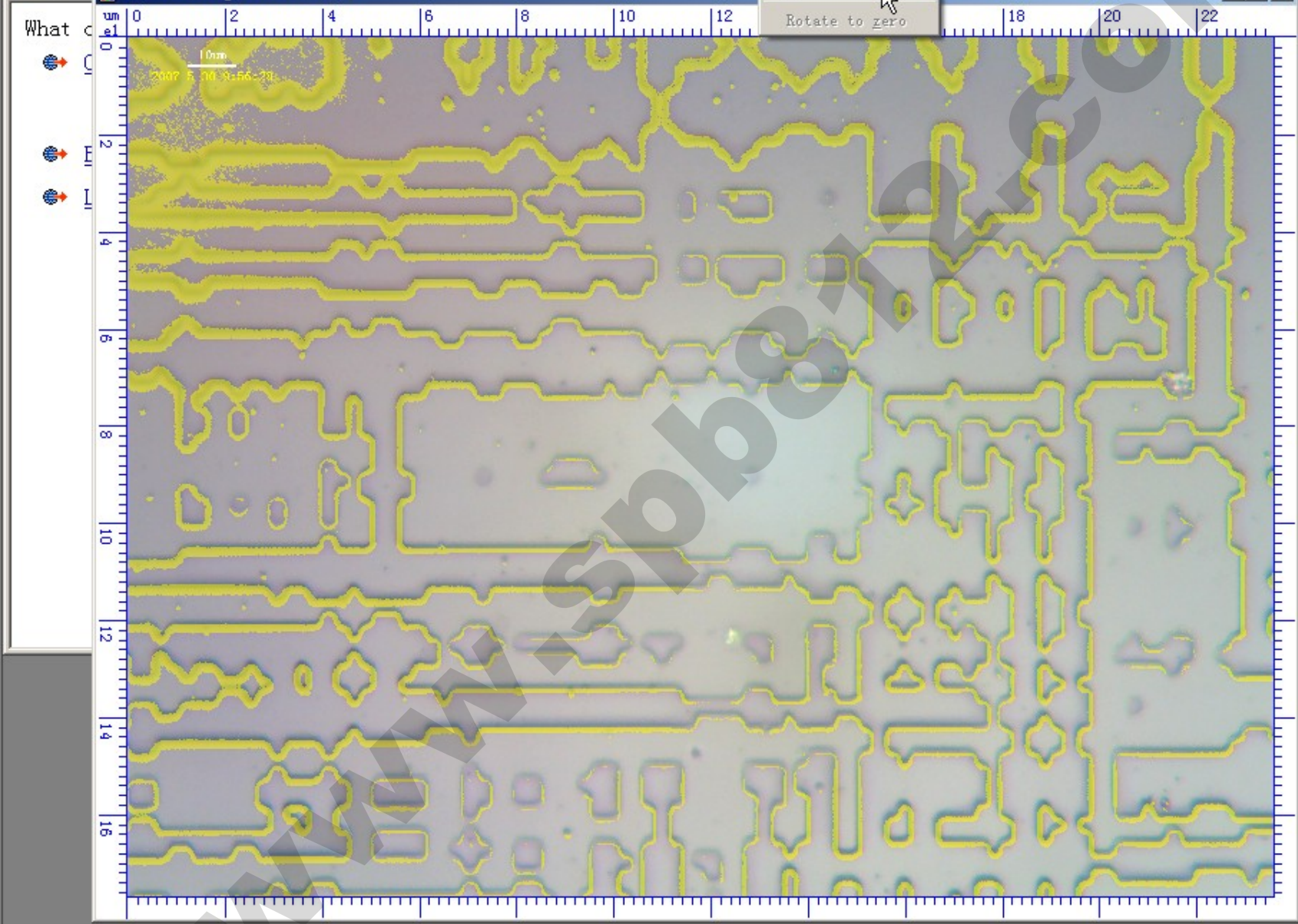
Watermark overlaid on the video

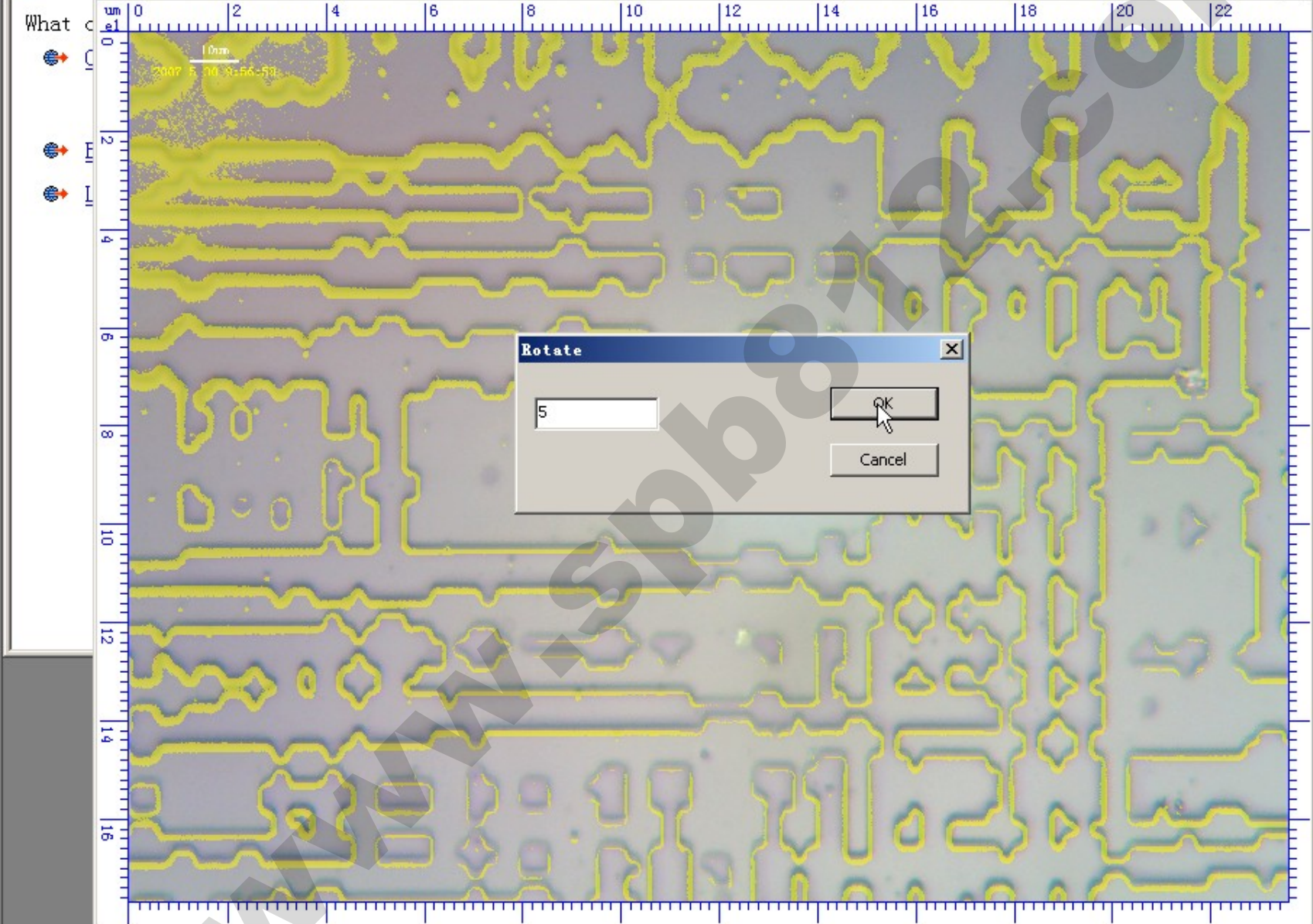


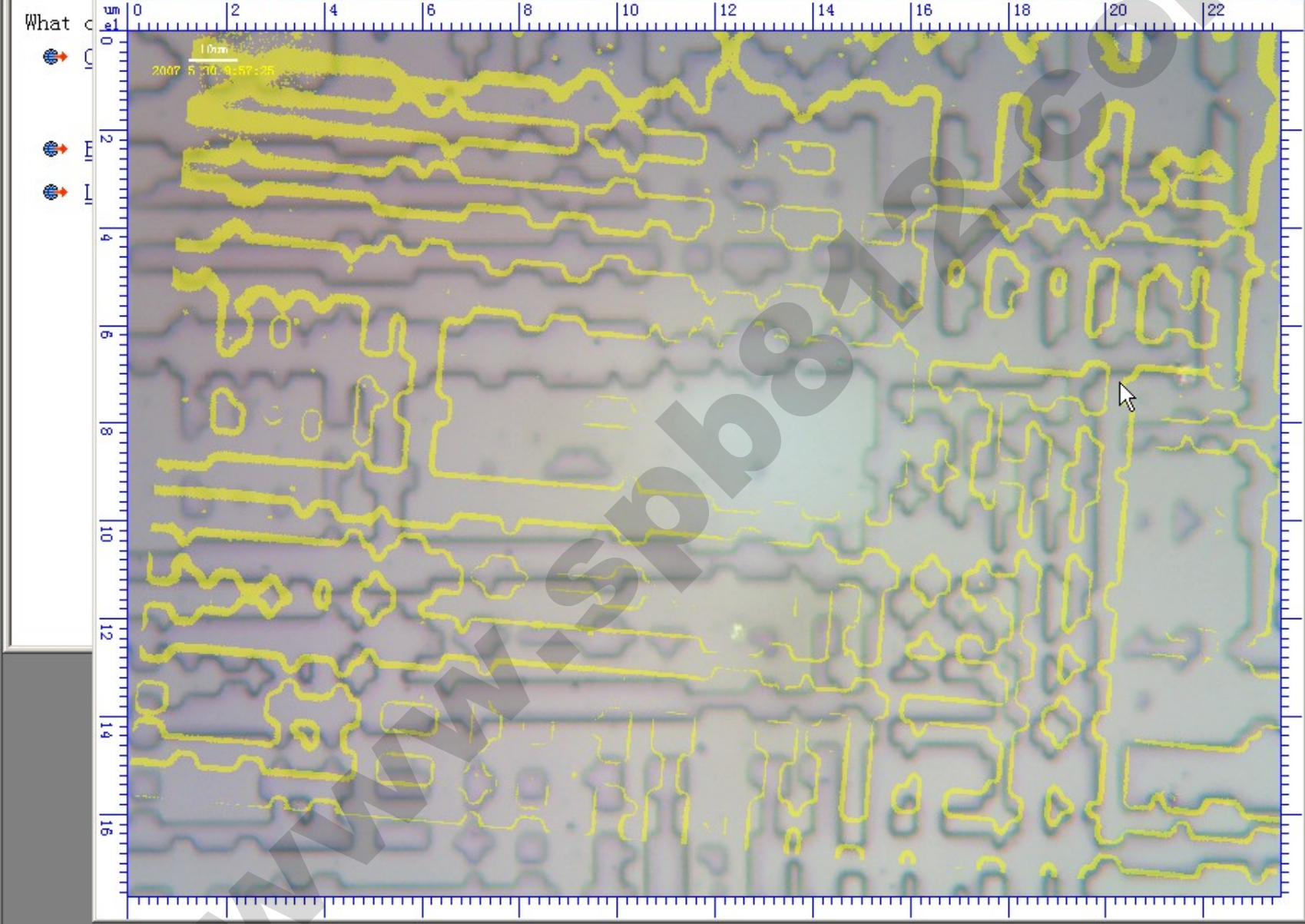


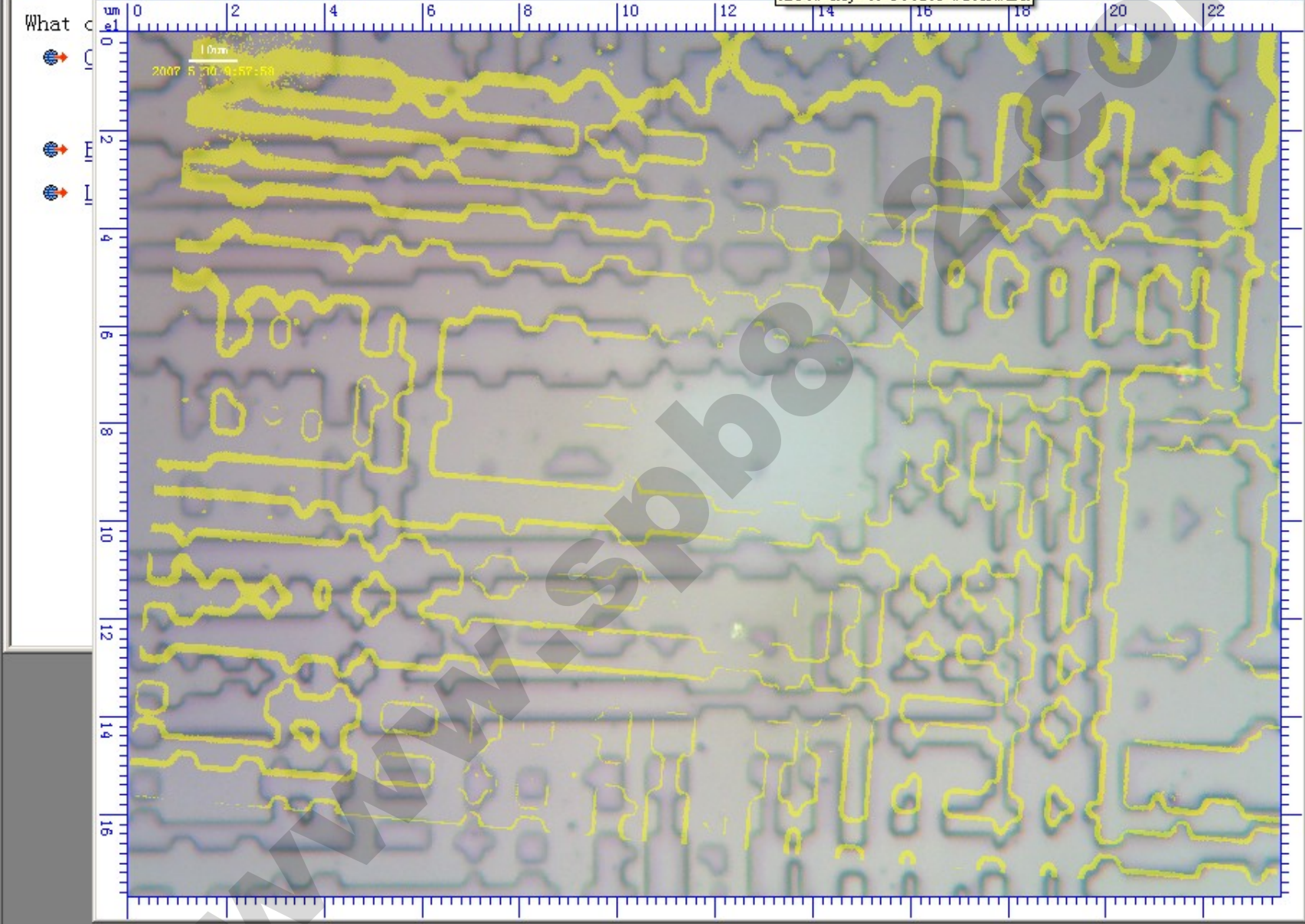






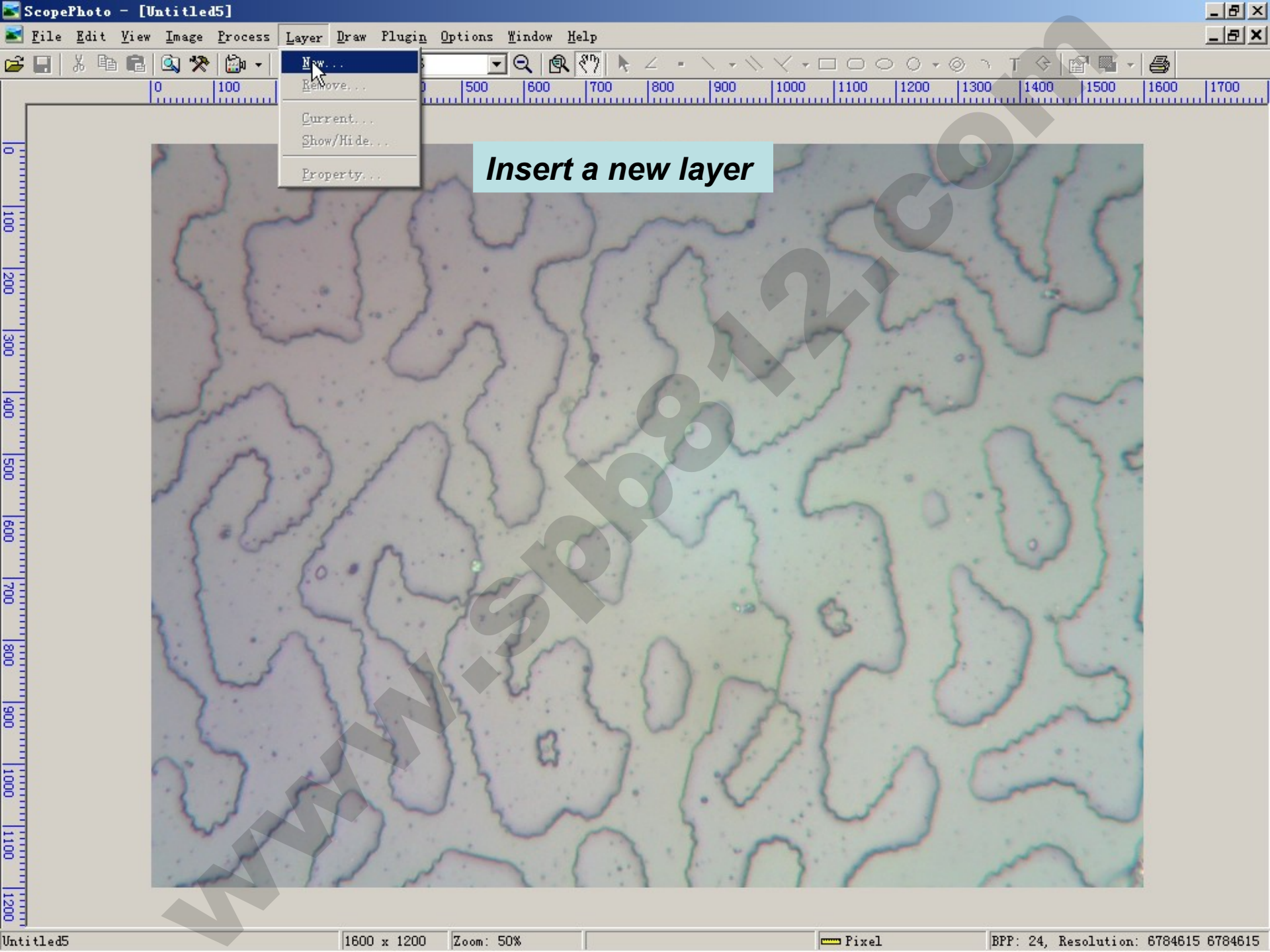






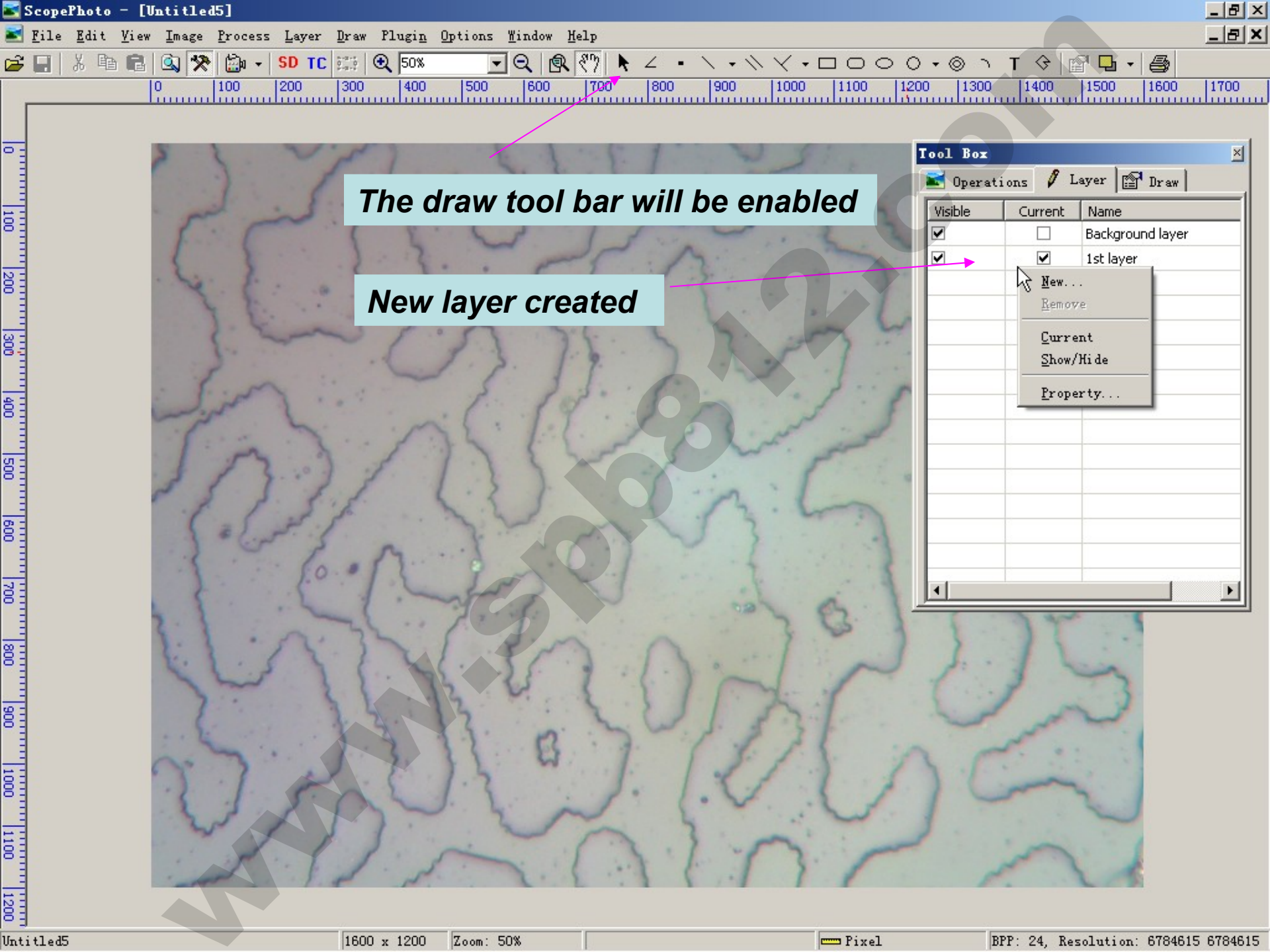
Layer and Draw

www.spb812.com



- New...
- Remove...
- Current...
- Show/Hide...
- Property...

Insert a new layer



The draw tool bar will be enabled

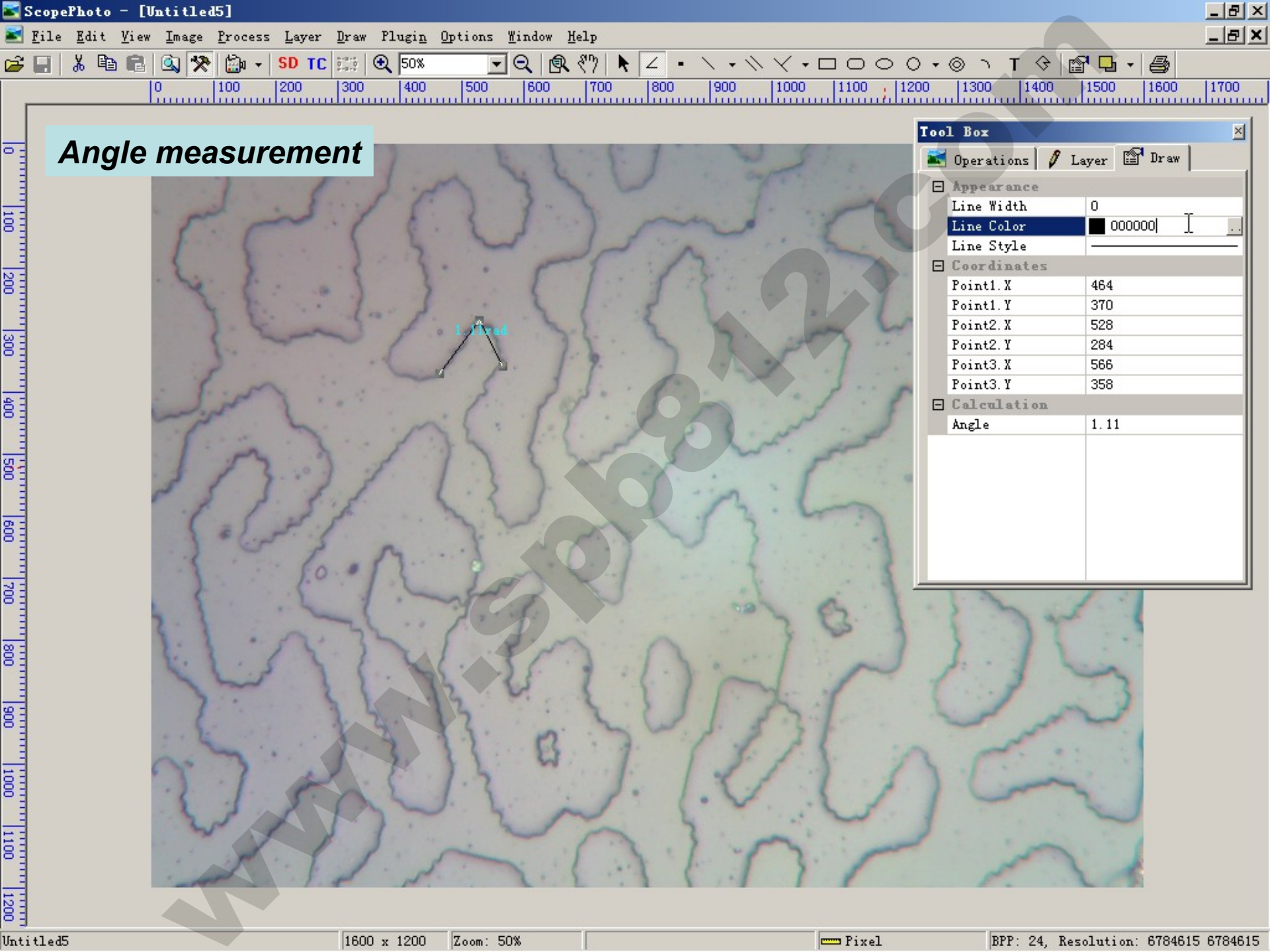
New layer created

Tool Box

Operations Layer Draw

Visible	Current	Name
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Background layer
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1st layer

- New...
- Remove
- Current
- Show/Hide
- Property...



Angle measurement

Tool Box

Operations | Layer | Draw

[-] Appearance

Line Width: 0

Line Color: 000000

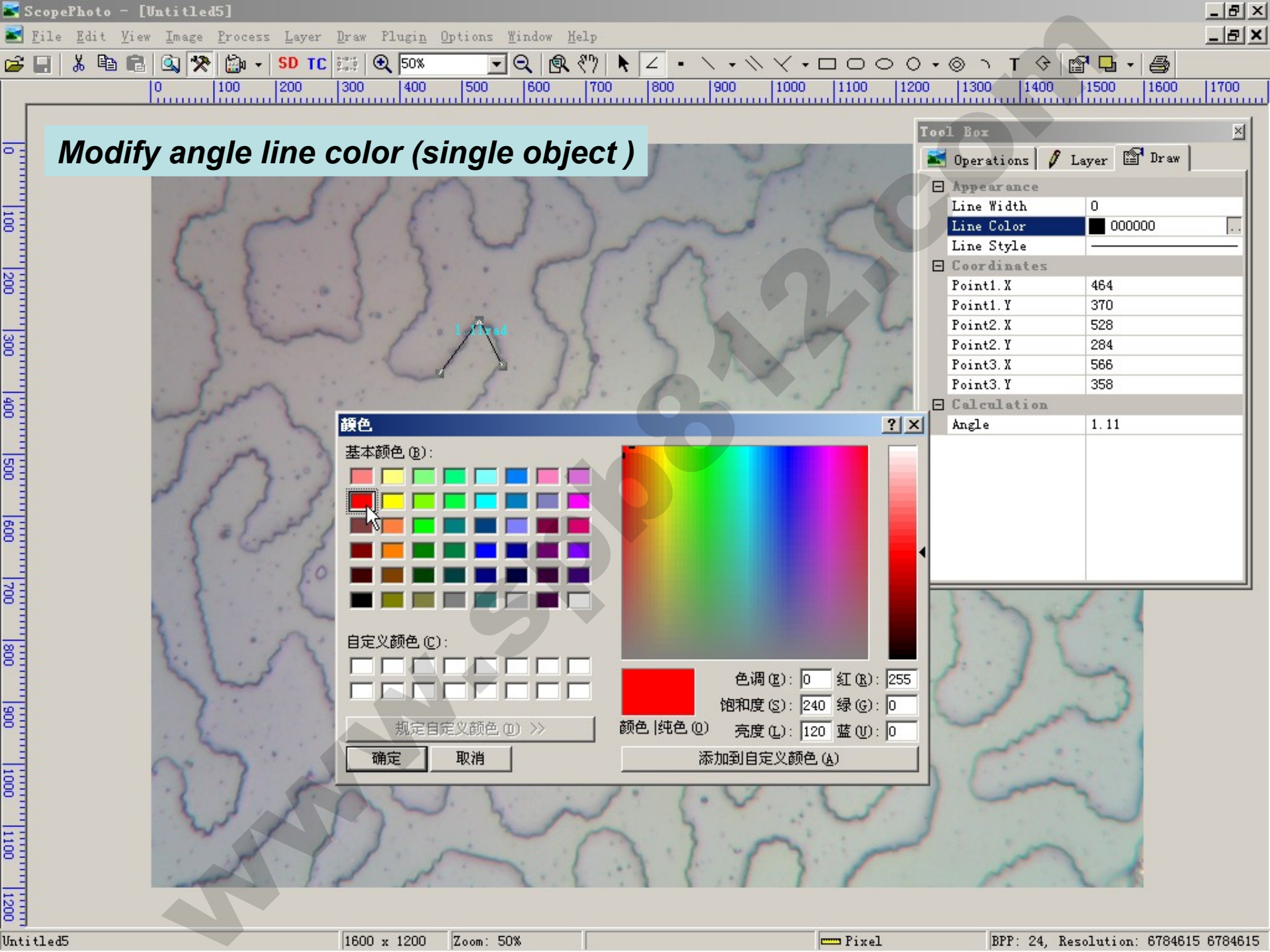
Line Style: _____

[-] Coordinates

Point1.X	464
Point1.Y	370
Point2.X	528
Point2.Y	284
Point3.X	566
Point3.Y	358

[-] Calculation

Angle	1.11
-------	------



Modify angle line color (single object)

Tool Box

Operations | Layer | Draw

Appearance

Line Width	0
Line Color	000000
Line Style	

Coordinates

Point1.X	464
Point1.Y	370
Point2.X	528
Point2.Y	284
Point3.X	566
Point3.Y	358

Calculation

Angle	1.11
-------	------

颜色

基本颜色 (B):

Red	Yellow	Green	Cyan	Blue	Magenta
Orange	Light Green	Light Blue	Dark Blue	Purple	Pink
Brown	Dark Green	Dark Cyan	Dark Blue	Dark Purple	Dark Pink
Black	Dark Olive	Dark Teal	Dark Blue	Dark Purple	Dark Pink

自定义颜色 (C):

White	Light Gray	Medium Gray	Dark Gray	Black
-------	------------	-------------	-----------	-------

规定自定义颜色 (D) >>

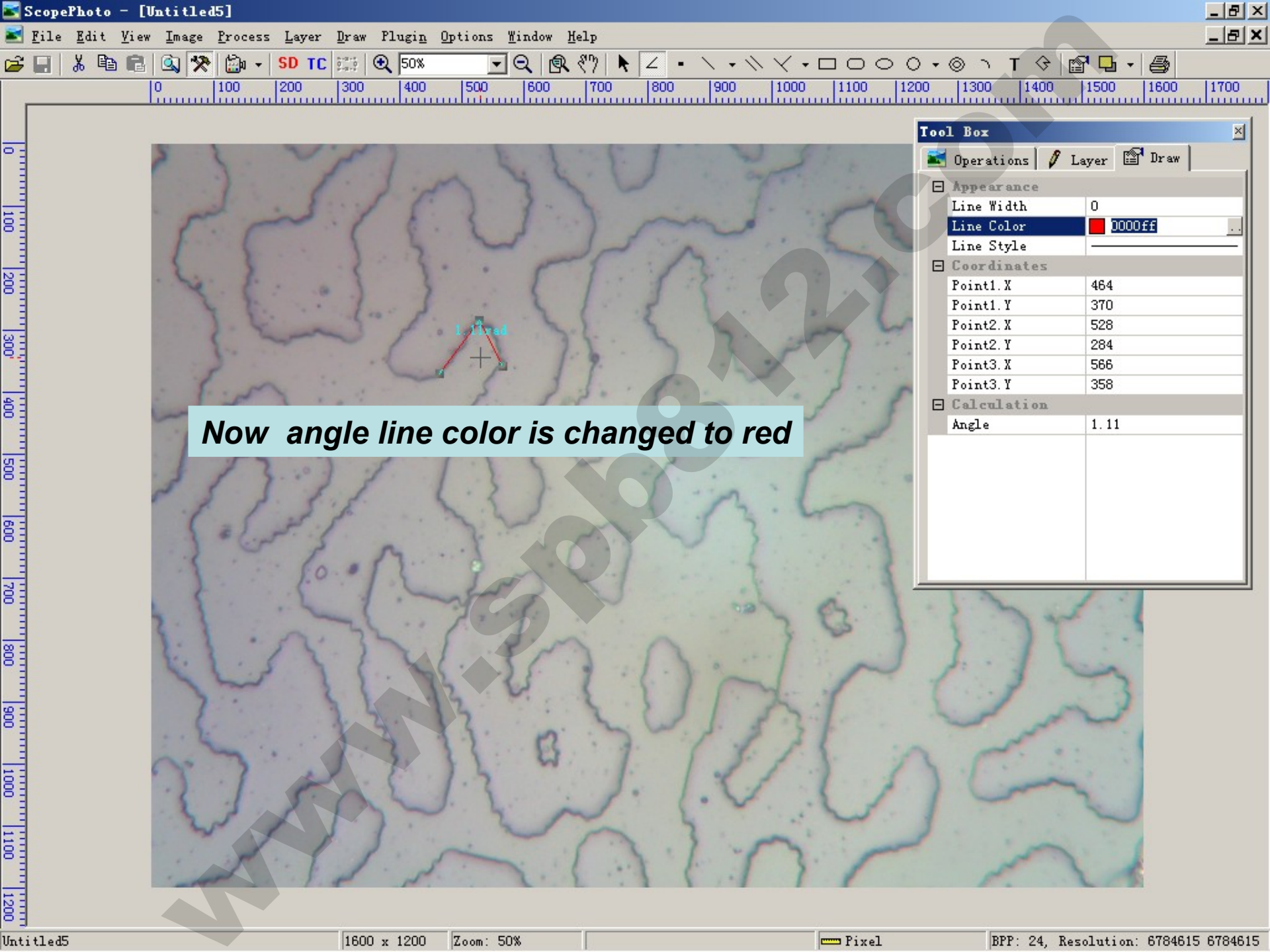
确定 取消

色调 (H): 0 红 (R): 255

饱和度 (S): 240 绿 (G): 0

亮度 (L): 120 蓝 (B): 0

添加到自定义颜色 (A)



Now angle line color is changed to red

Tool Box

Operations | Layer | Draw

Appearance

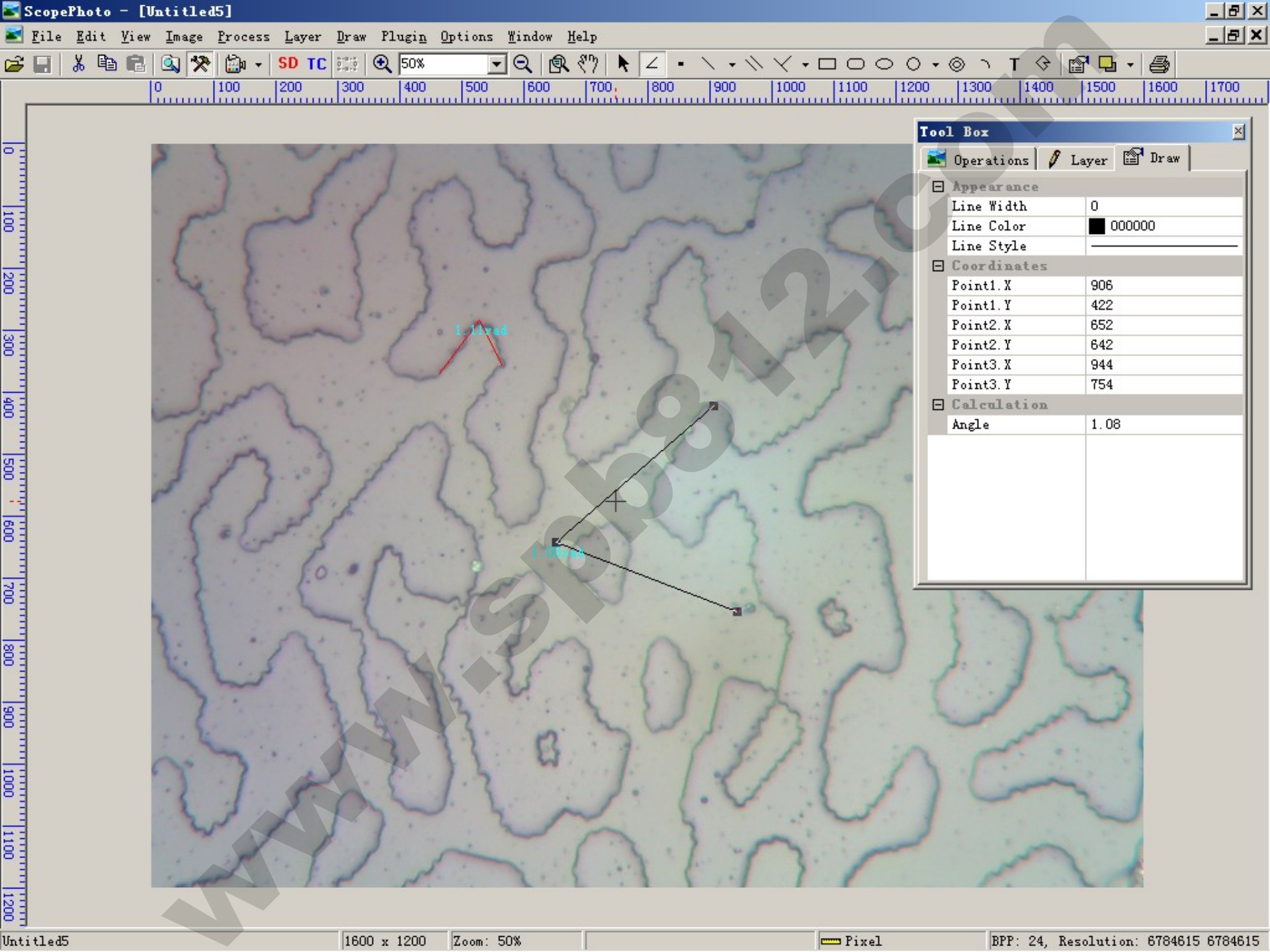
Line Width	0
Line Color	ff0000
Line Style	

Coordinates

Point1.X	464
Point1.Y	370
Point2.X	528
Point2.Y	284
Point3.X	566
Point3.Y	358

Calculation

Angle	1.11
-------	------



Tool Box

Operations | Layer | Draw

[-] Appearance

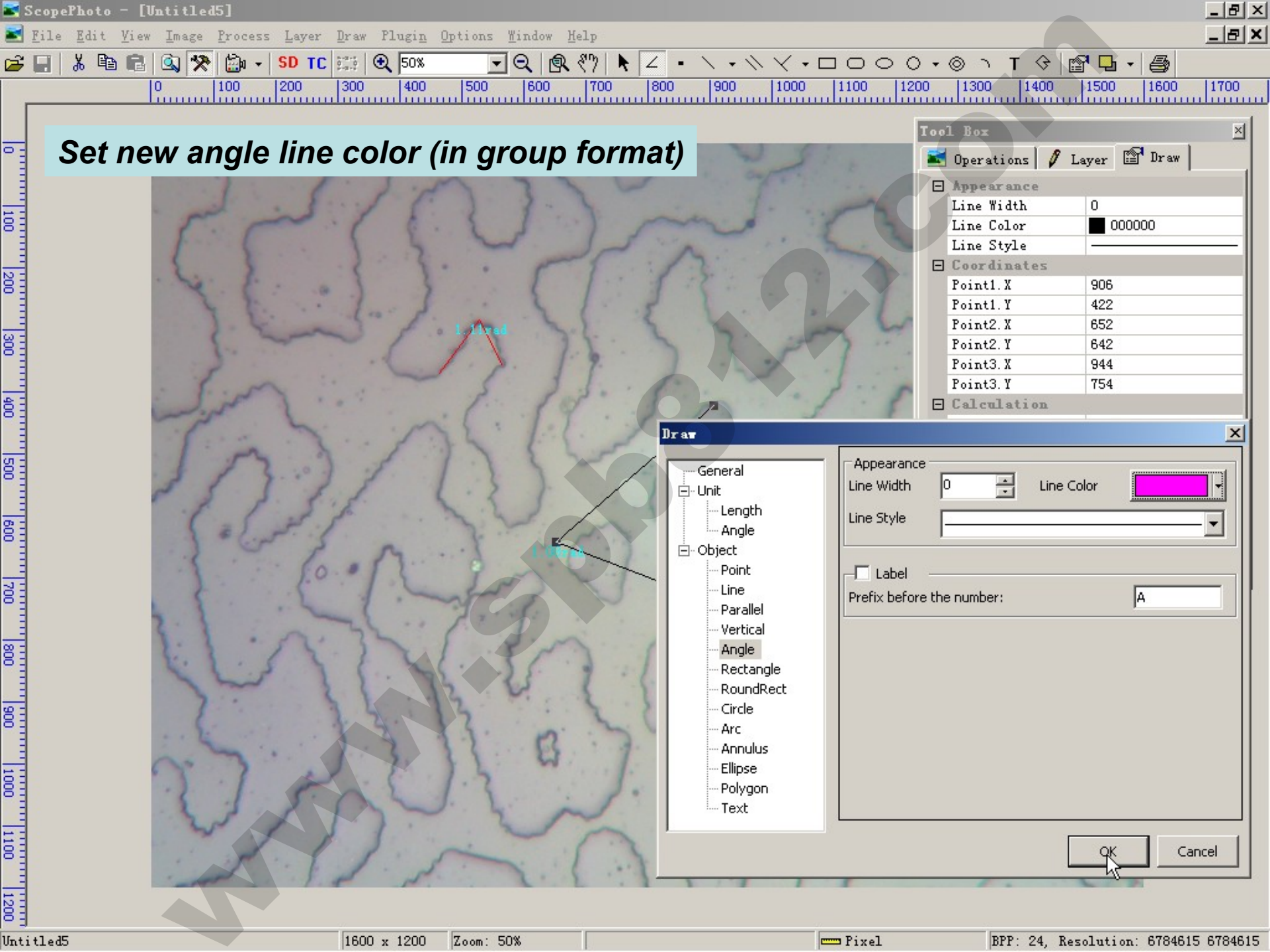
Line Width	0
Line Color	000000
Line Style	—————

[-] Coordinates

Point1.X	906
Point1.Y	422
Point2.X	652
Point2.Y	642
Point3.X	944
Point3.Y	754

[-] Calculation

Angle	1.08
-------	------



Set new angle line color (in group format)

Tool Box

Operations Layer Draw

Appearance

Line Width	0
Line Color	000000
Line Style	

Coordinates

Point1.X	906
Point1.Y	422
Point2.X	652
Point2.Y	642
Point3.X	944
Point3.Y	754

Calculation

Draw

General

- Unit
 - Length
 - Angle
- Object
 - Point
 - Line
 - Parallel
 - Vertical
 - Angle
 - Rectangle
 - RoundRect
 - Circle
 - Arc
 - Annulus
 - Ellipse
 - Polygon
 - Text

Appearance

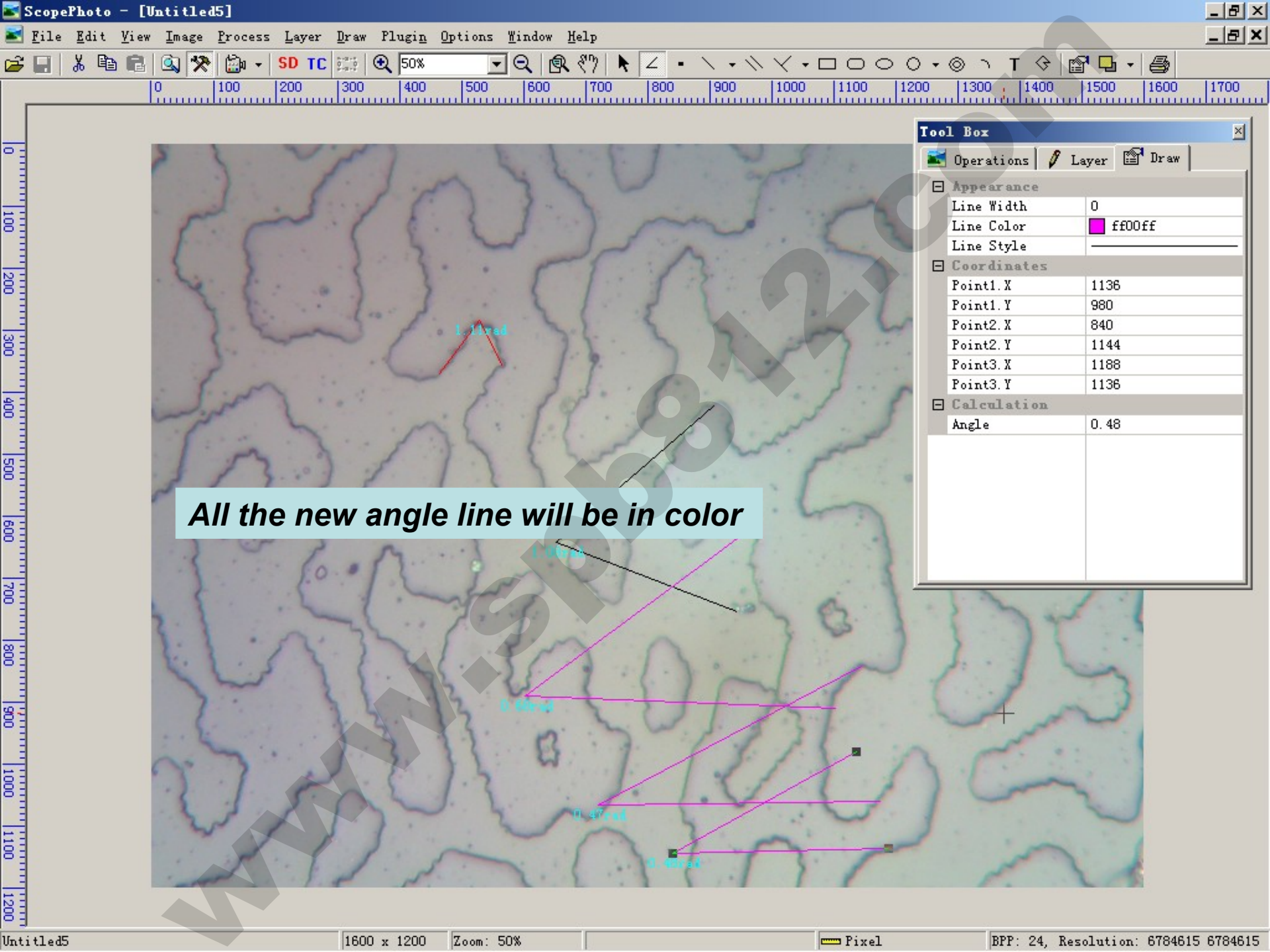
Line Width: 0 Line Color: [Magenta]

Line Style: [Dropdown]

Label

Prefix before the number: A

OK Cancel



All the new angle line will be in color

Tool Box

Operations | Layer | Draw

Appearance

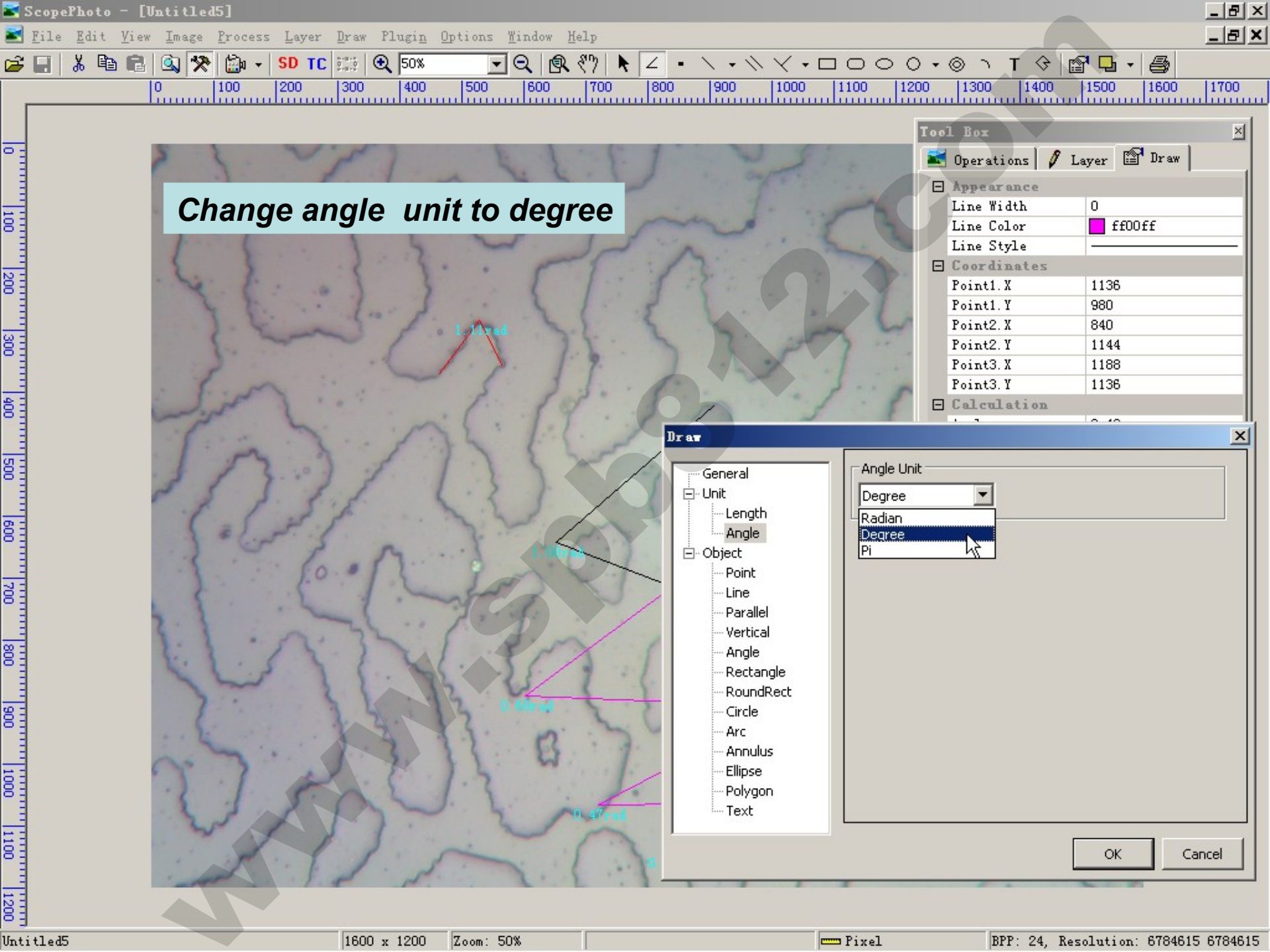
Line Width	0
Line Color	ff00ff
Line Style	

Coordinates

Point1.X	1136
Point1.Y	980
Point2.X	840
Point2.Y	1144
Point3.X	1188
Point3.Y	1136

Calculation

Angle	0.48
-------	------



Change angle unit to degree

Tool Box

Operations Layer Draw

Appearance

Line Width	0
Line Color	ff00ff
Line Style	

Coordinates

Point1.X	1136
Point1.Y	980
Point2.X	840
Point2.Y	1144
Point3.X	1188
Point3.Y	1136

Calculation

Draw

General

- Unit
 - Length
 - Angle
- Object
 - Point
 - Line
 - Parallel
 - Vertical
 - Angle
 - Rectangle
 - RoundRect
 - Circle
 - Arc
 - Annulus
 - Ellipse
 - Polygon
 - Text

Angle Unit

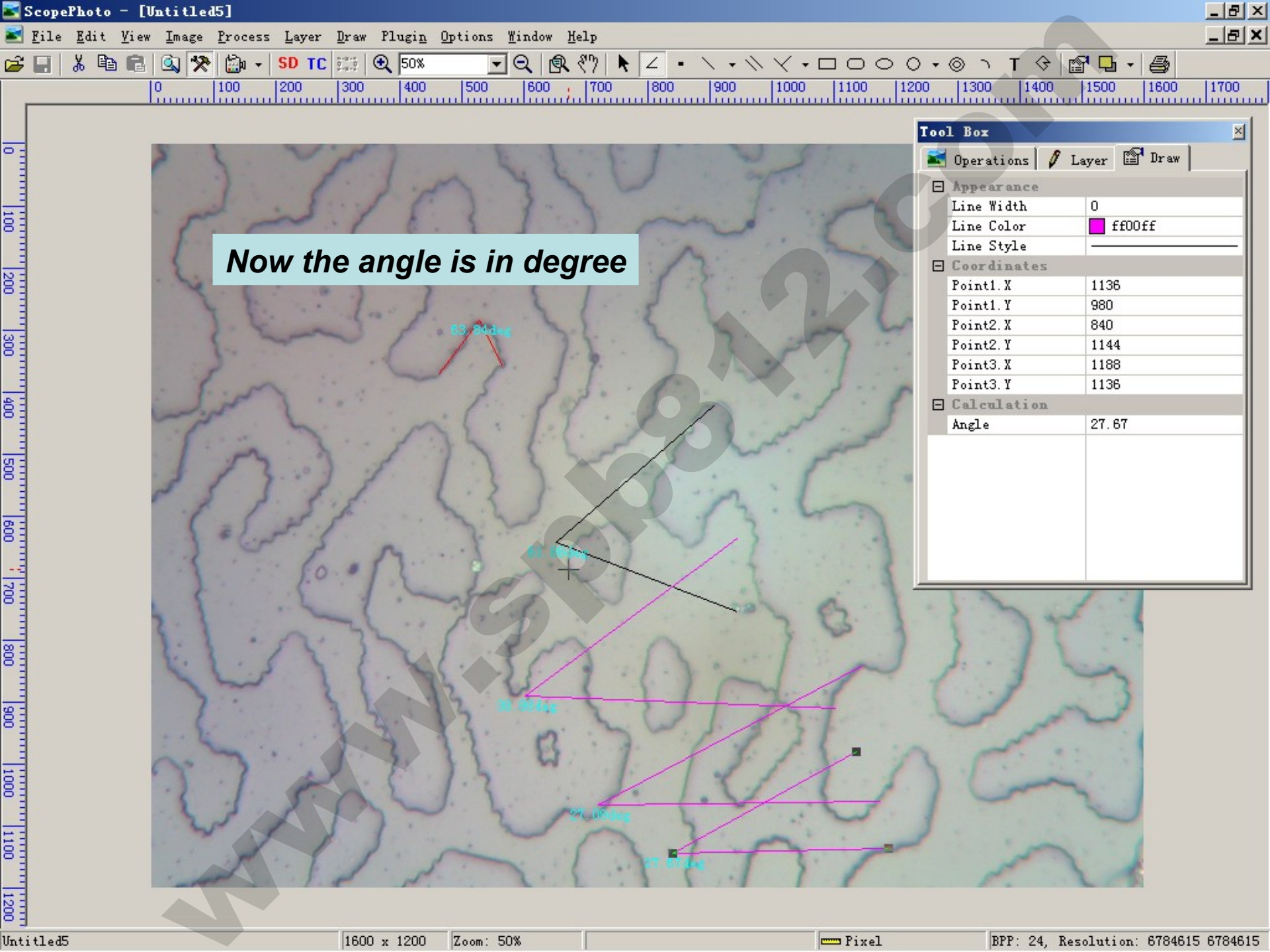
Degree

Radian

Degree

Pi

OK Cancel



Now the angle is in degree

Tool Box

Operations | Layer | Draw

Appearance

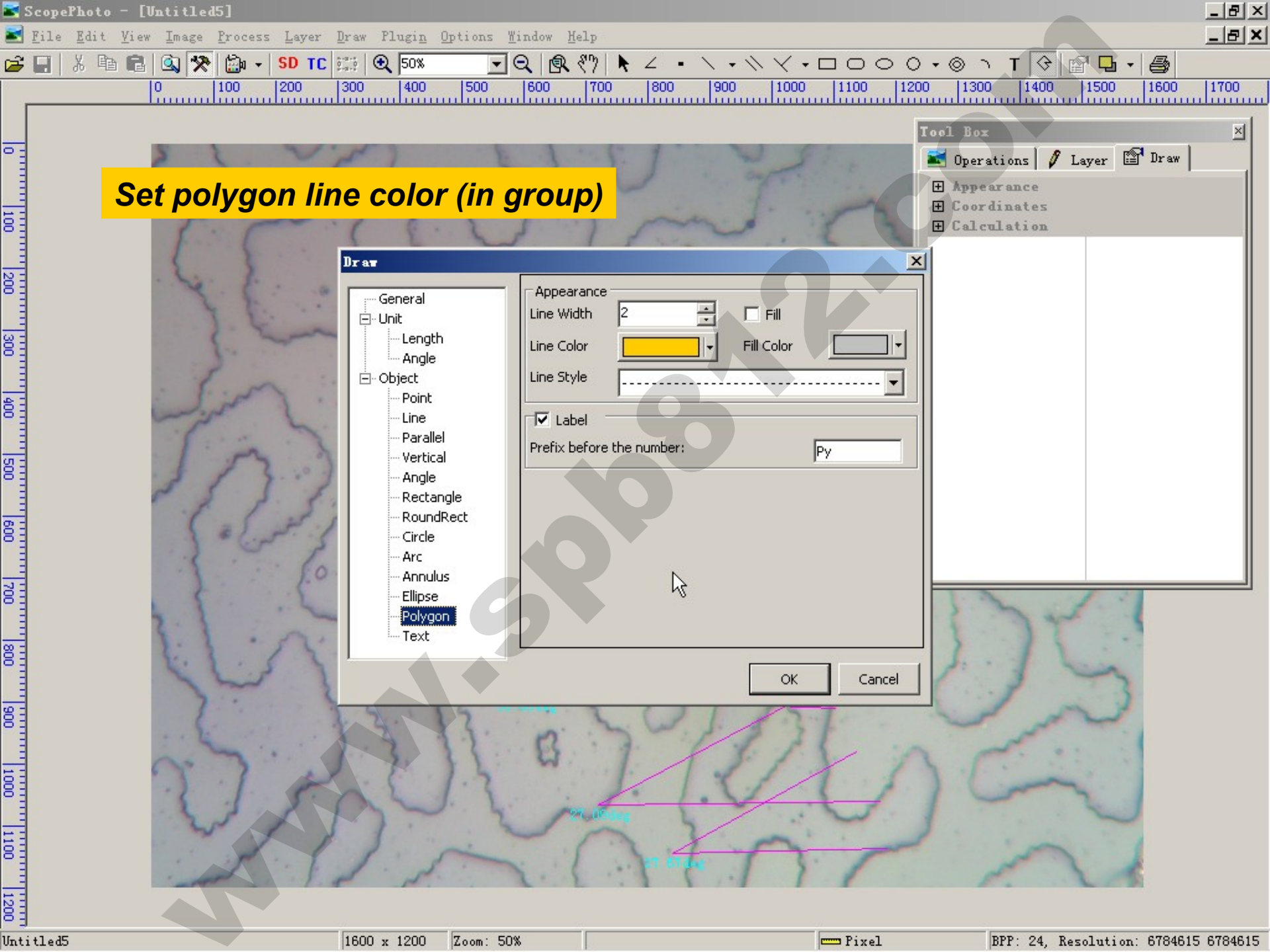
Line Width	0
Line Color	ff00ff
Line Style	

Coordinates

Point1.X	1136
Point1.Y	980
Point2.X	840
Point2.Y	1144
Point3.X	1188
Point3.Y	1136

Calculation

Angle	27.67
-------	-------



Set polygon line color (in group)

Draw

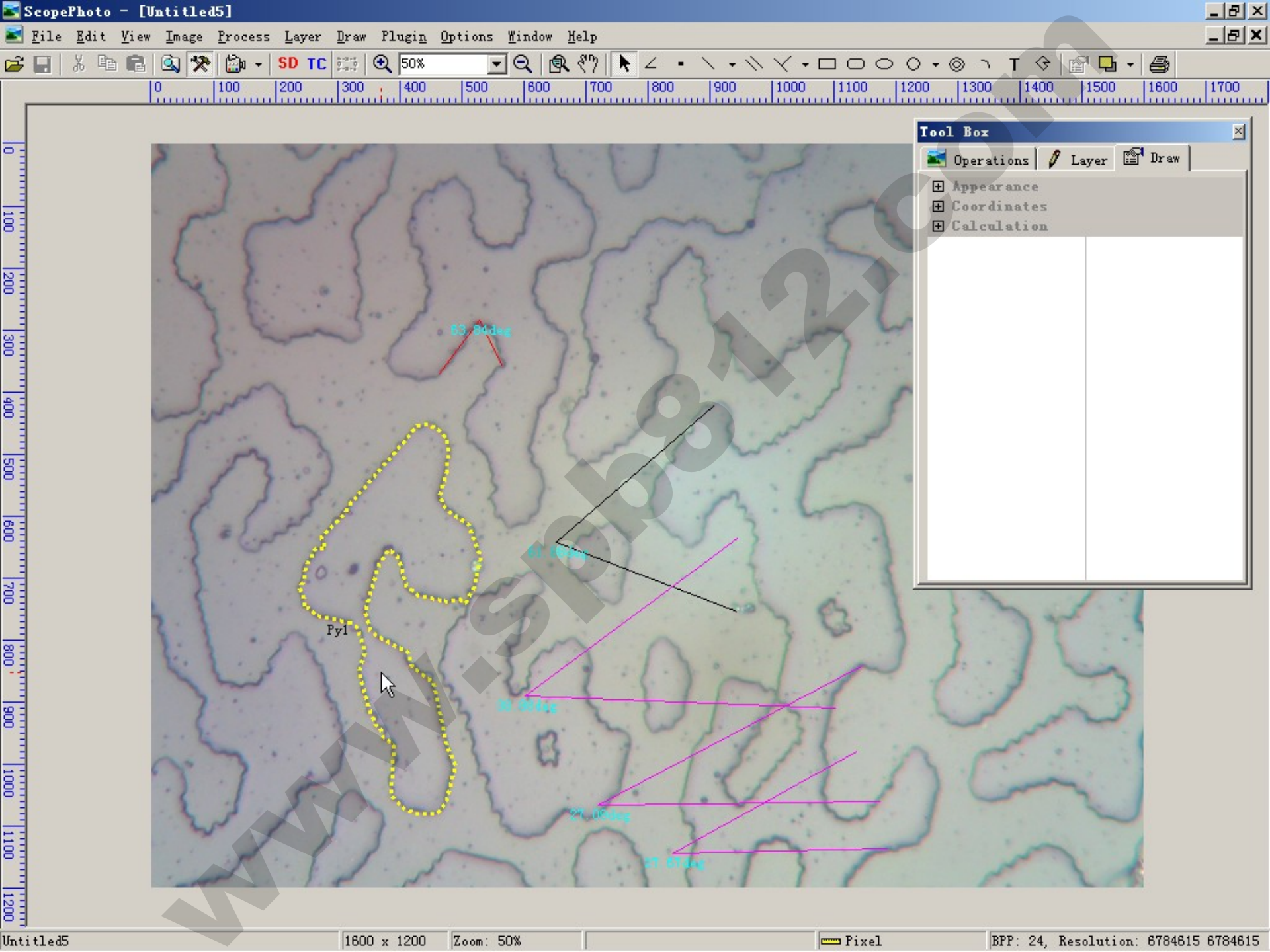
- General
 - Unit
 - Length
 - Angle
 - Object
 - Point
 - Line
 - Parallel
 - Vertical
 - Angle
 - Rectangle
 - RoundRect
 - Circle
 - Arc
 - Annulus
 - Ellipse
 - Polygon**
 - Text
- Appearance
 - Line Width: 2
 - Line Color: Yellow
 - Line Style: Dashed
 - Fill:
 - Fill Color: Grey
 - Label
 - Prefix before the number: Py

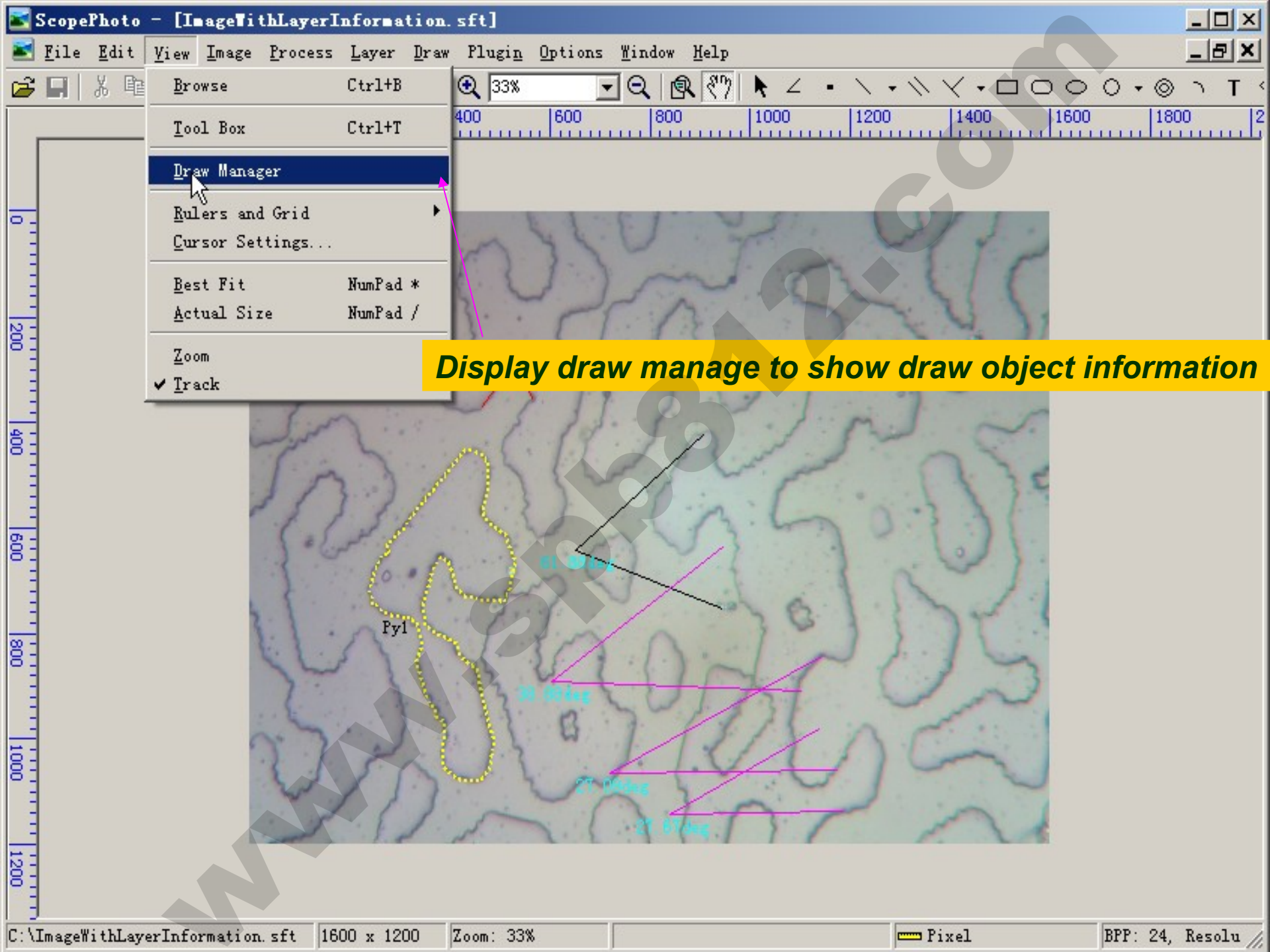
OK Cancel

Tool Box

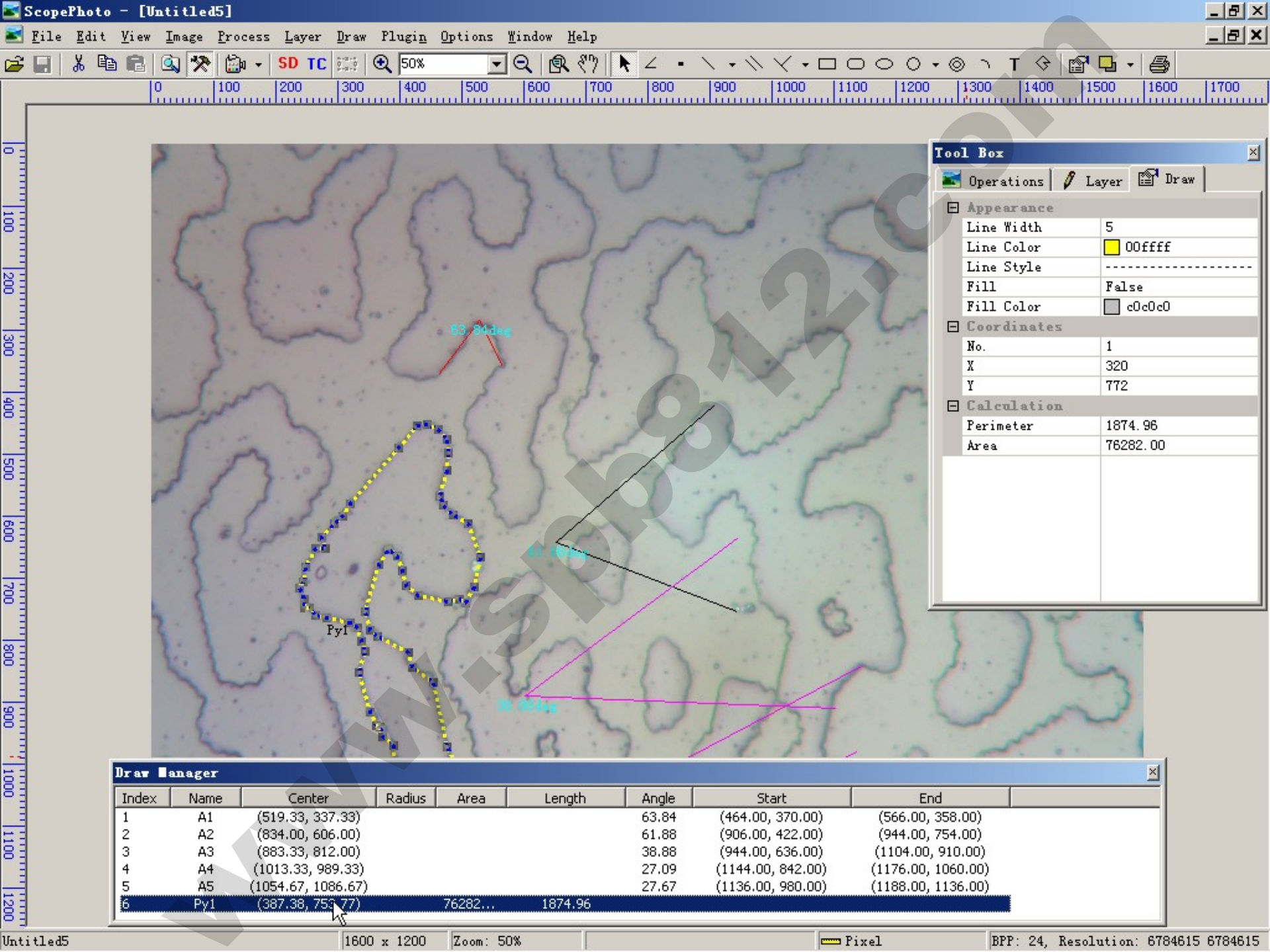
- Operations
- Layer
- Draw

- Appearance
- Coordinates
- Calculation





Display draw manage to show draw object information



Tool Box

Operations | Layer | Draw

Appearance

Line Width	5
Line Color	00ffff
Line Style	-----
Fill	False
Fill Color	c0c0c0

Coordinates

No.	1
X	320
Y	772

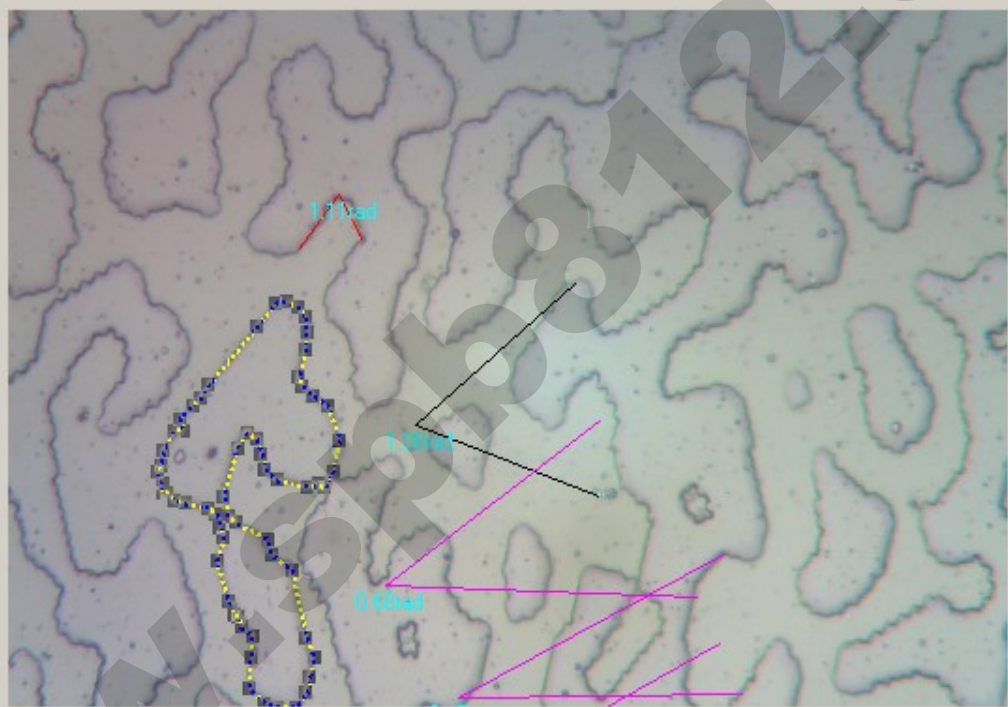
Calculation

Perimeter	1874.96
Area	76282.00

Draw Manager

Index	Name	Center	Radius	Area	Length	Angle	Start	End
1	A1	(519.33, 337.33)				63.84	(464.00, 370.00)	(566.00, 358.00)
2	A2	(834.00, 606.00)				61.88	(906.00, 422.00)	(944.00, 754.00)
3	A3	(883.33, 812.00)				38.88	(944.00, 636.00)	(1104.00, 910.00)
4	A4	(1013.33, 989.33)				27.09	(1144.00, 842.00)	(1176.00, 1060.00)
5	A5	(1054.67, 1086.67)				27.67	(1136.00, 980.00)	(1188.00, 1136.00)
6	Py1	(387.38, 753.77)		76282...	1874.96			

Layer print preference



Draw Manager									
Index	Name	Center	Radius	Area	Length	Angle	Start	End	
1	A1	(519.33, 337.33)				1.11	(464.00, 370.00)	(566.00, 358.00)	
2	A2	(834.00, 606.00)				1.08	(906.00, 422.00)	(944.00, 754.00)	
3	A3	(883.33, 812.00)				0.68	(944.00, 636.00)	(1104.00, 910.00)	
4	A4	(1013.33, 989.33)				0.47	(1144.00, 842.00)	(1176.00, 1060.00)	
5	A5	(1054.67, 1086.67)				0.48	(1136.00, 980.00)	(1188.00, 1136.00)	
6	Py1	(387.38, 753.77)		76282.00	1874.96				

Print preference

Preferences

- File
- Plugin
- Print**
- Misc

Print

Page Header: Page: &p/&P

Page Footer: &f Date: %Y-%m-%d

Print the measurement items

Print the measurement table

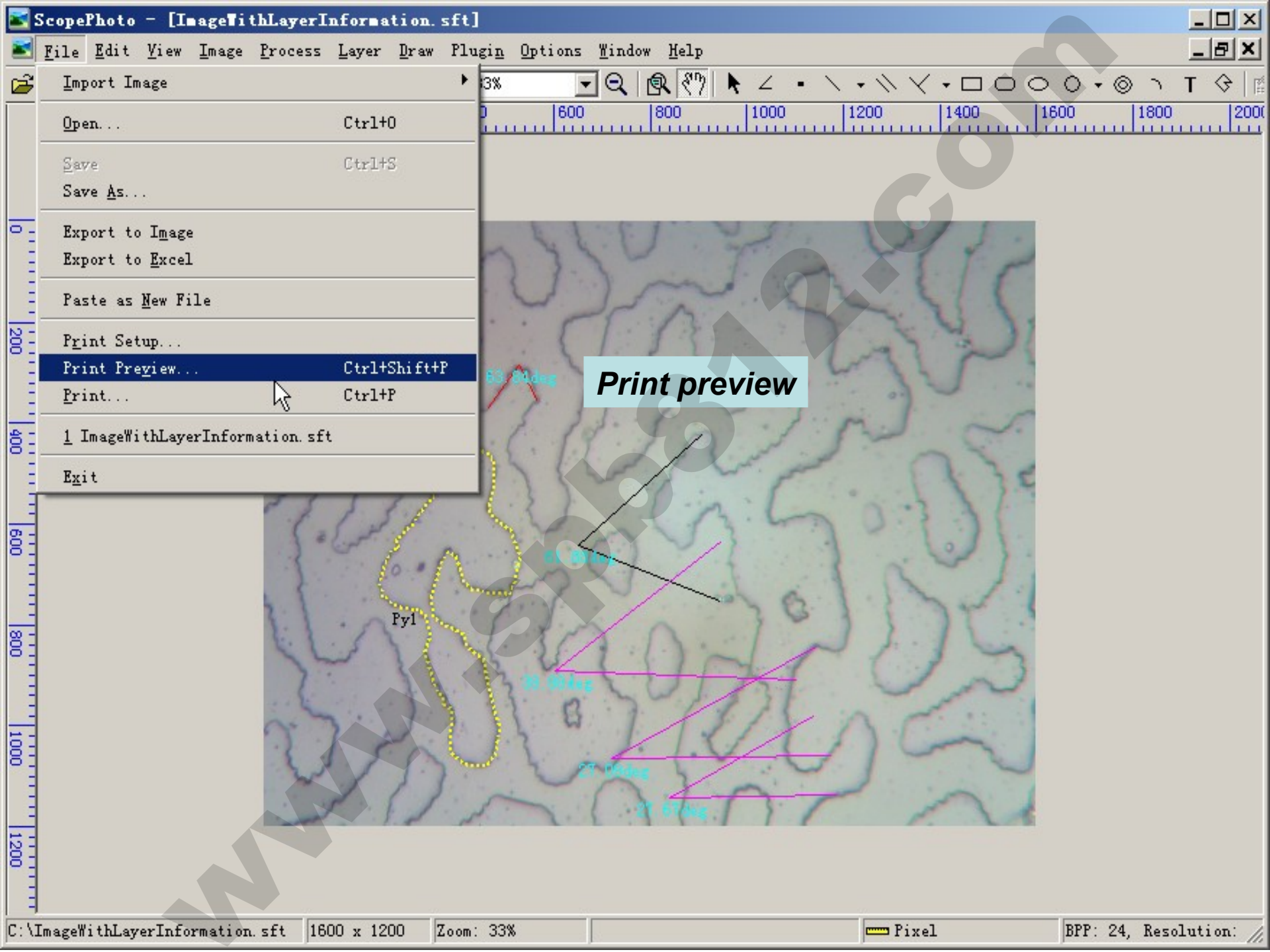
Page Usage: Auto

- Always Use another paper
- Auto**
- Don't use another paper

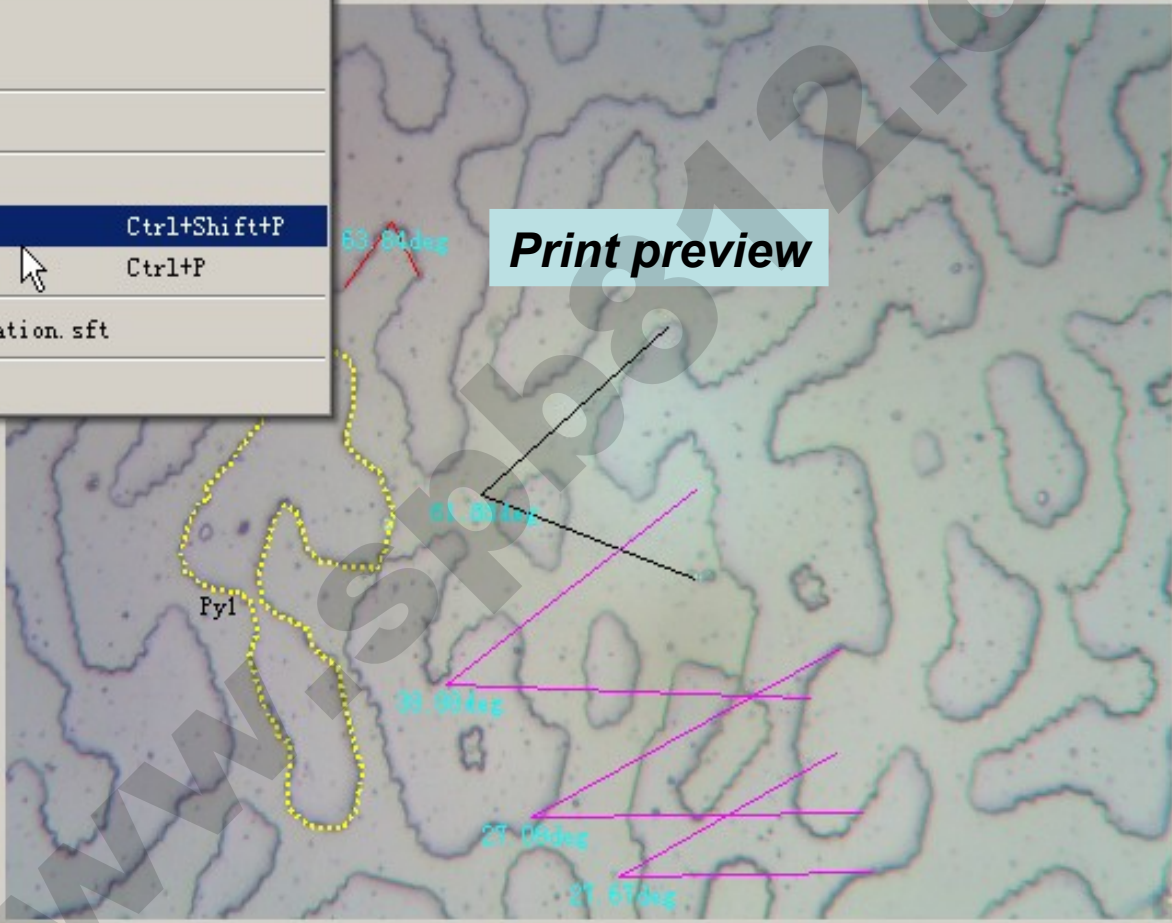
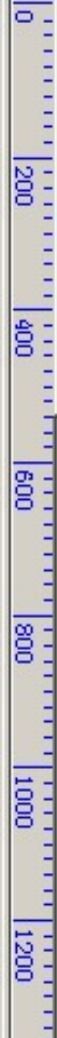
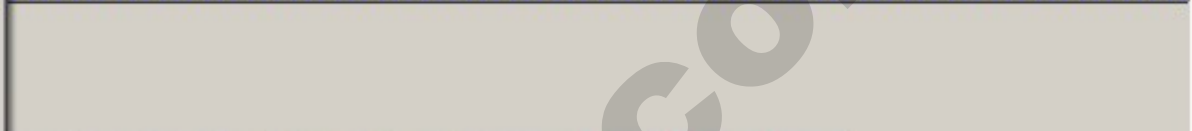
OK Cancel Apply

Draw Manager

Index	Name	Center	Radius	Area	Length	Angle	Start	End
1	A1	(519.33, 337.33)				1.11	(464.00, 370.00)	(566.00, 358.00)
2	A2	(834.00, 606.00)				1.08	(906.00, 422.00)	(944.00, 754.00)
3	A3	(883.33, 812.00)				0.68	(944.00, 636.00)	(1104.00, 910.00)
4	A4	(1013.33, 989.33)				0.47	(1144.00, 842.00)	(1176.00, 1060.00)
5	A5	(1054.67, 1086.67)				0.48	(1136.00, 980.00)	(1188.00, 1136.00)
6	Py1	(387.38, 753.77)		76282.00	1874.96			



- Import Image
- Open... Ctrl+O
- Save Ctrl+S
- Save As...
- Export to Image
- Export to Excel
- Paste as New File
- Print Setup...
- Print Preview... Ctrl+Shift+P**
- Print... Ctrl+P
- 1 ImageWithLayerInformation.sft
- Exit

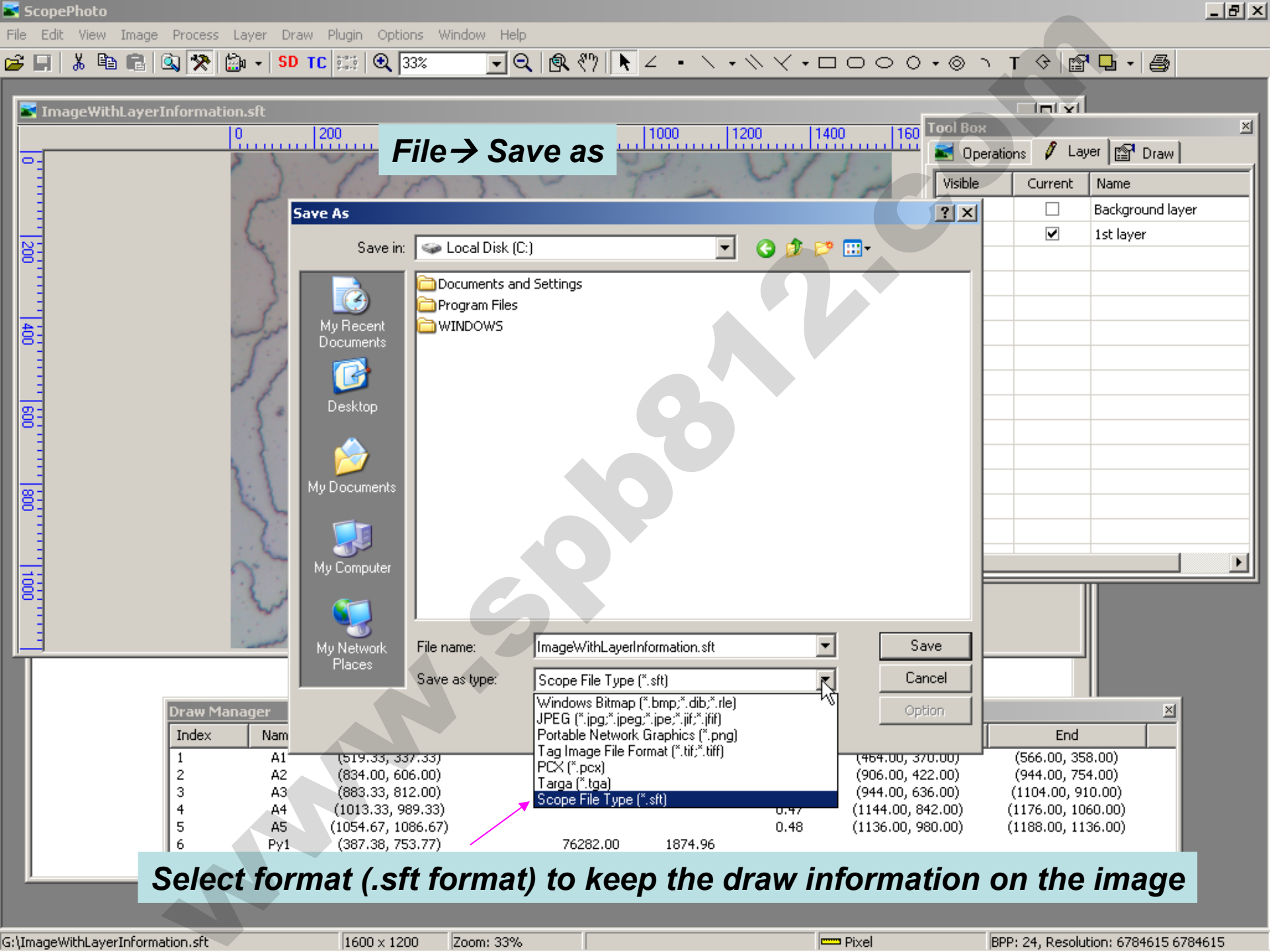


Page: 1/1

Print preview

Index	Name	Center	Radius	Area	Length	Angle	Start	End
1st layer								
1	A1	(51933, 337.33)				1.11	(464.00, 370.00)	(566.00, 358.00)
2	A2	(83400, 606.00)				1.08	(908.00, 422.00)	(944.00, 754.00)
3	A3	(88333, 812.00)				0.68	(944.00, 636.00)	(1104.00, 910.00)
4	A4	(101333, 989.33)				0.47	(1144.00, 842.00)	(1176.00, 1060.00)
5	A5	(105467, 1086.67)				0.48	(1136.00, 980.00)	(1188.00, 1136.00)
6	Py1	(387.38, 753.77)		7628200	1874.96			

ImageWithLayerInformation.sft Date: 2007-05-30



File → Save as

Save As

Save in: Local Disk (C:)

Documents and Settings
Program Files
WINDOWS

My Recent Documents
Desktop
My Documents
My Computer
My Network Places

File name: ImageWithLayerInformation.sft

Save as type: Scope File Type (*.sft)

Windows Bitmap (*.bmp;*.dib;*.rle)
JPEG (*.jpg;*.jpeg;*.jpe;*.jfif;*.jif)
Portable Network Graphics (*.png)
Tag Image File Format (*.tif;*.tiff)
PCX (*.pcx)
Targa (*.tga)
Scope File Type (*.sft)

Save

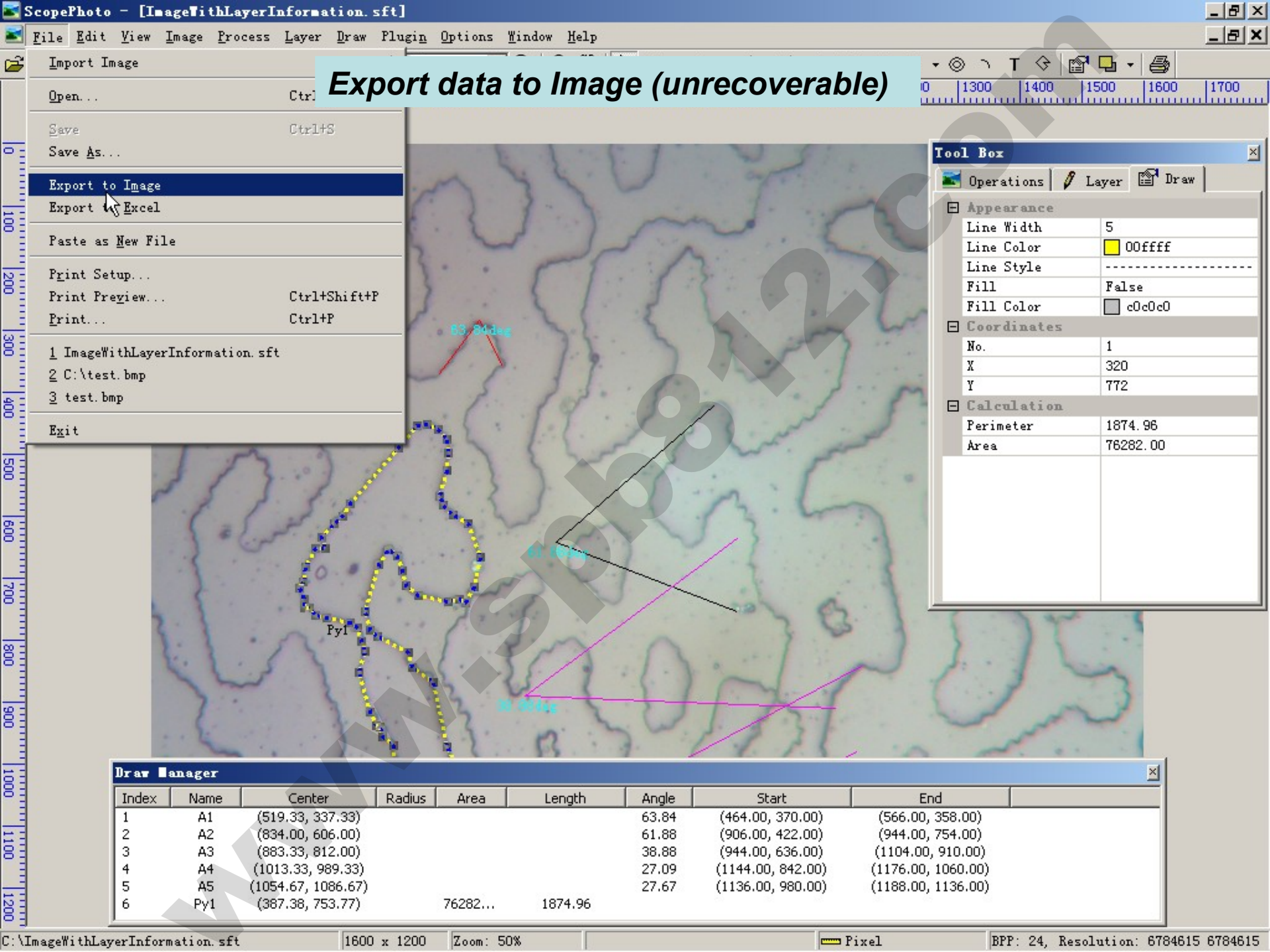
Cancel

Option

Draw Manager

Index	Name				End
1	A1	(519.33, 337.33)			
2	A2	(834.00, 606.00)			
3	A3	(883.33, 812.00)			
4	A4	(1013.33, 989.33)			
5	A5	(1054.67, 1086.67)			
6	Py1	(387.38, 753.77)	76282.00	1874.96	

Select format (.sft format) to keep the draw information on the image



Export data to Image (unrecoverable)

Tool Box

Operations | Layer | Draw

Appearance

Line Width	5
Line Color	00ffff
Line Style	-----
Fill	False
Fill Color	c0c0c0

Coordinates

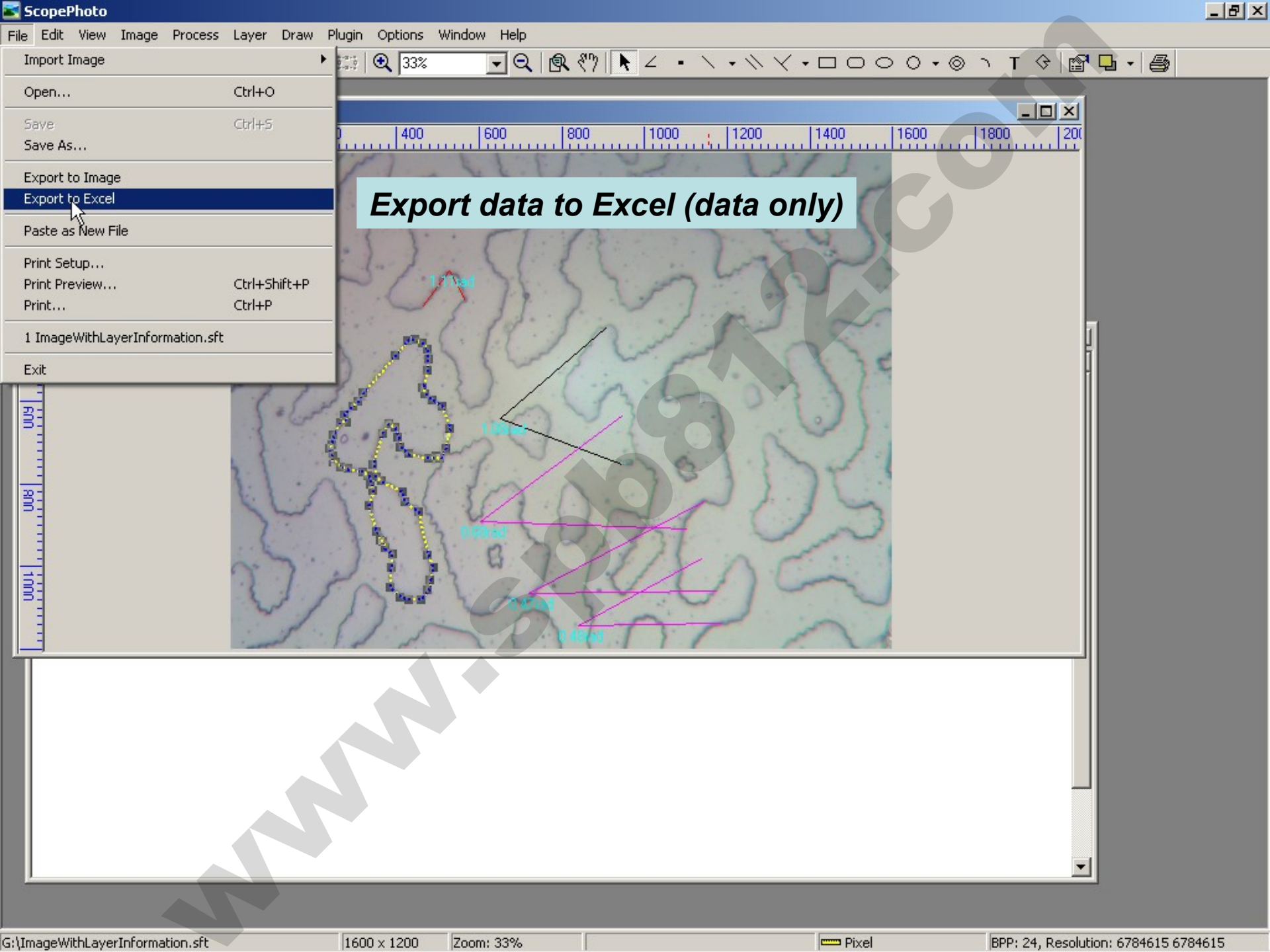
No.	1
X	320
Y	772

Calculation

Perimeter	1874.96
Area	76282.00

Draw Manager

Index	Name	Center	Radius	Area	Length	Angle	Start	End
1	A1	(519.33, 337.33)				63.84	(464.00, 370.00)	(566.00, 358.00)
2	A2	(834.00, 606.00)				61.88	(906.00, 422.00)	(944.00, 754.00)
3	A3	(883.33, 812.00)				38.88	(944.00, 636.00)	(1104.00, 910.00)
4	A4	(1013.33, 989.33)				27.09	(1144.00, 842.00)	(1176.00, 1060.00)
5	A5	(1054.67, 1086.67)				27.67	(1136.00, 980.00)	(1188.00, 1136.00)
6	Py1	(387.38, 753.77)		76282...	1874.96			



Export data to Excel (data only)

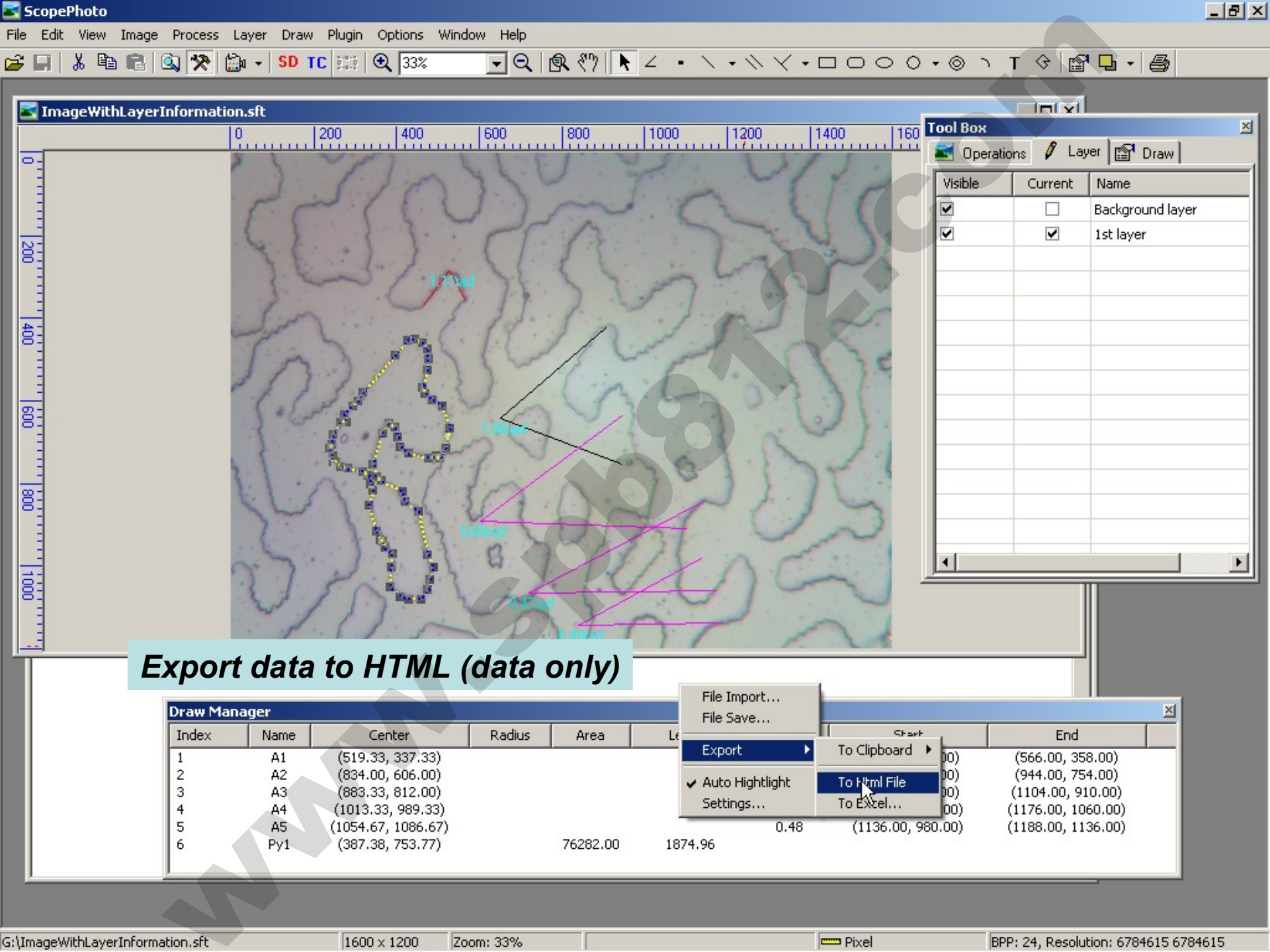
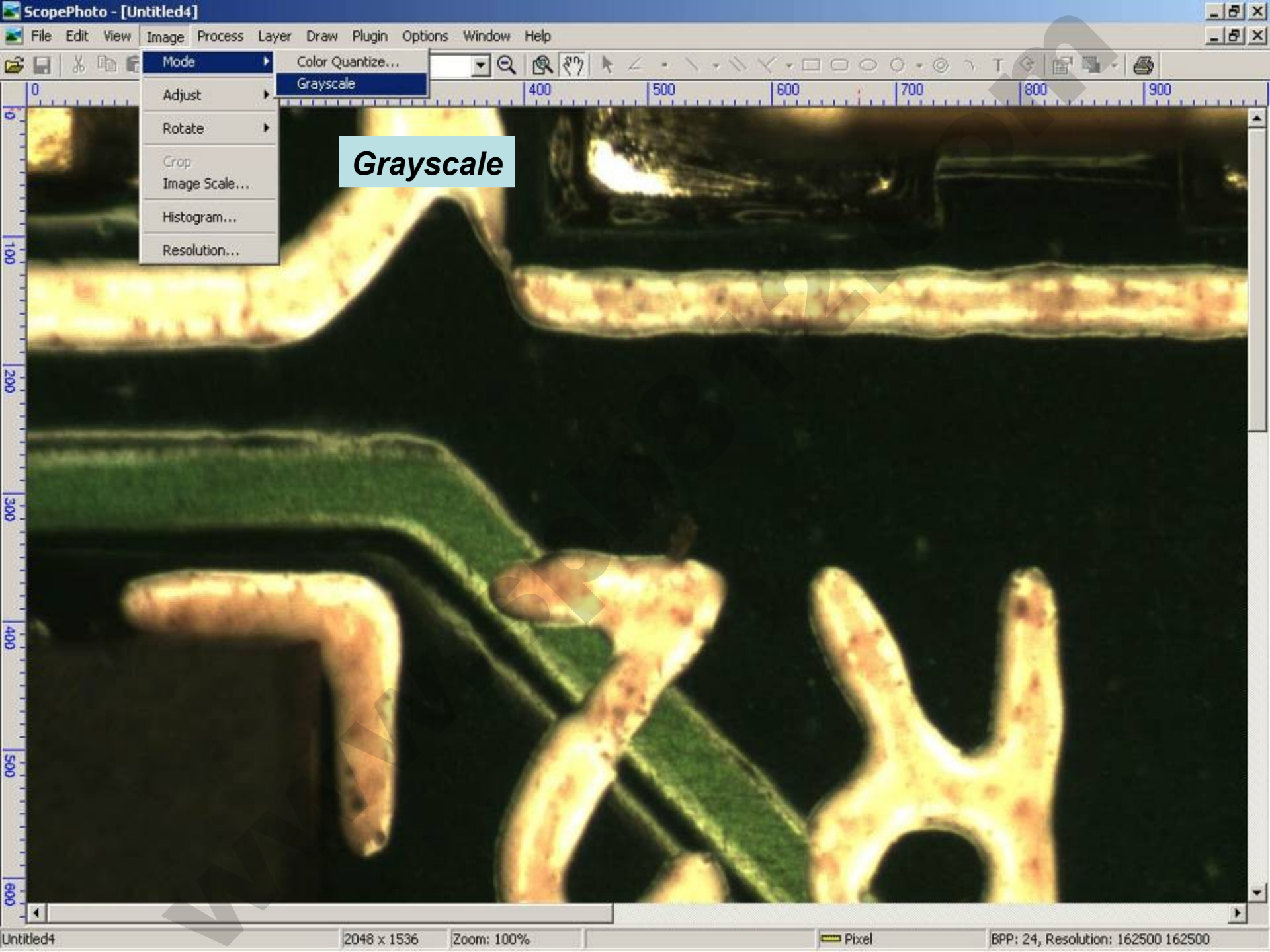


Image Processing

www.spr812.com



Grayscale

Mode

Color Quantize...

Grayscale

Adjust

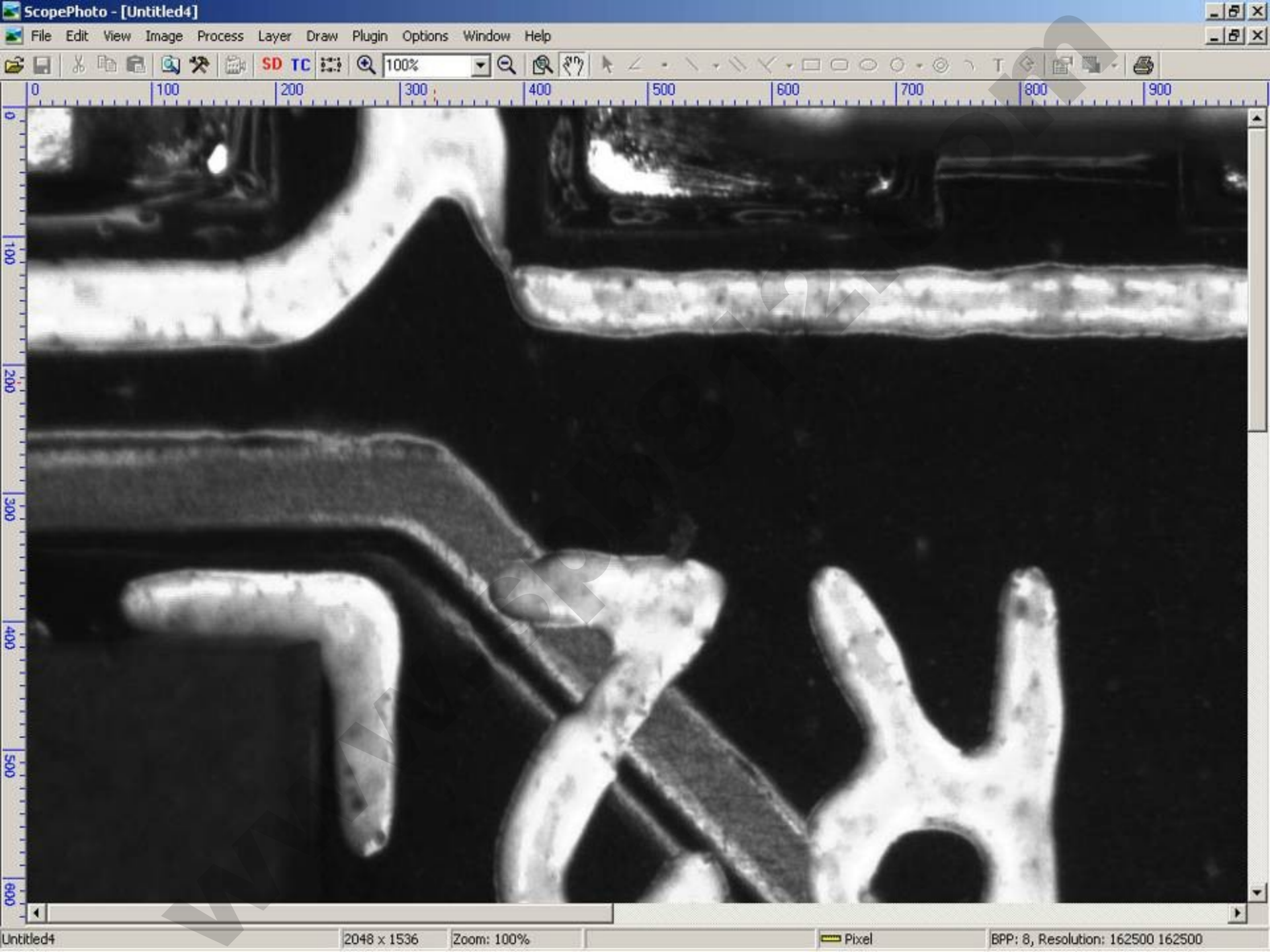
Rotate

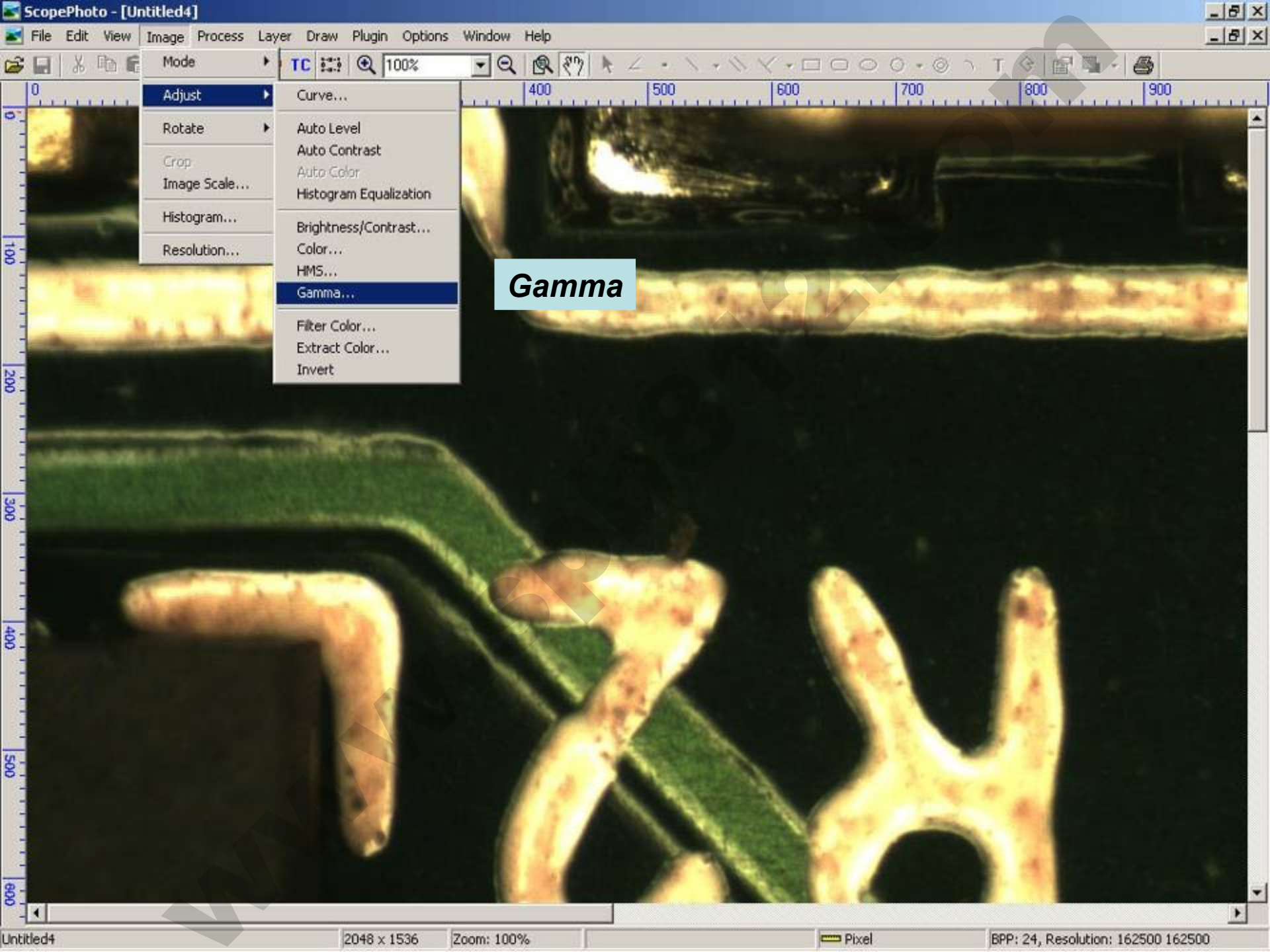
Crop

Image Scale...

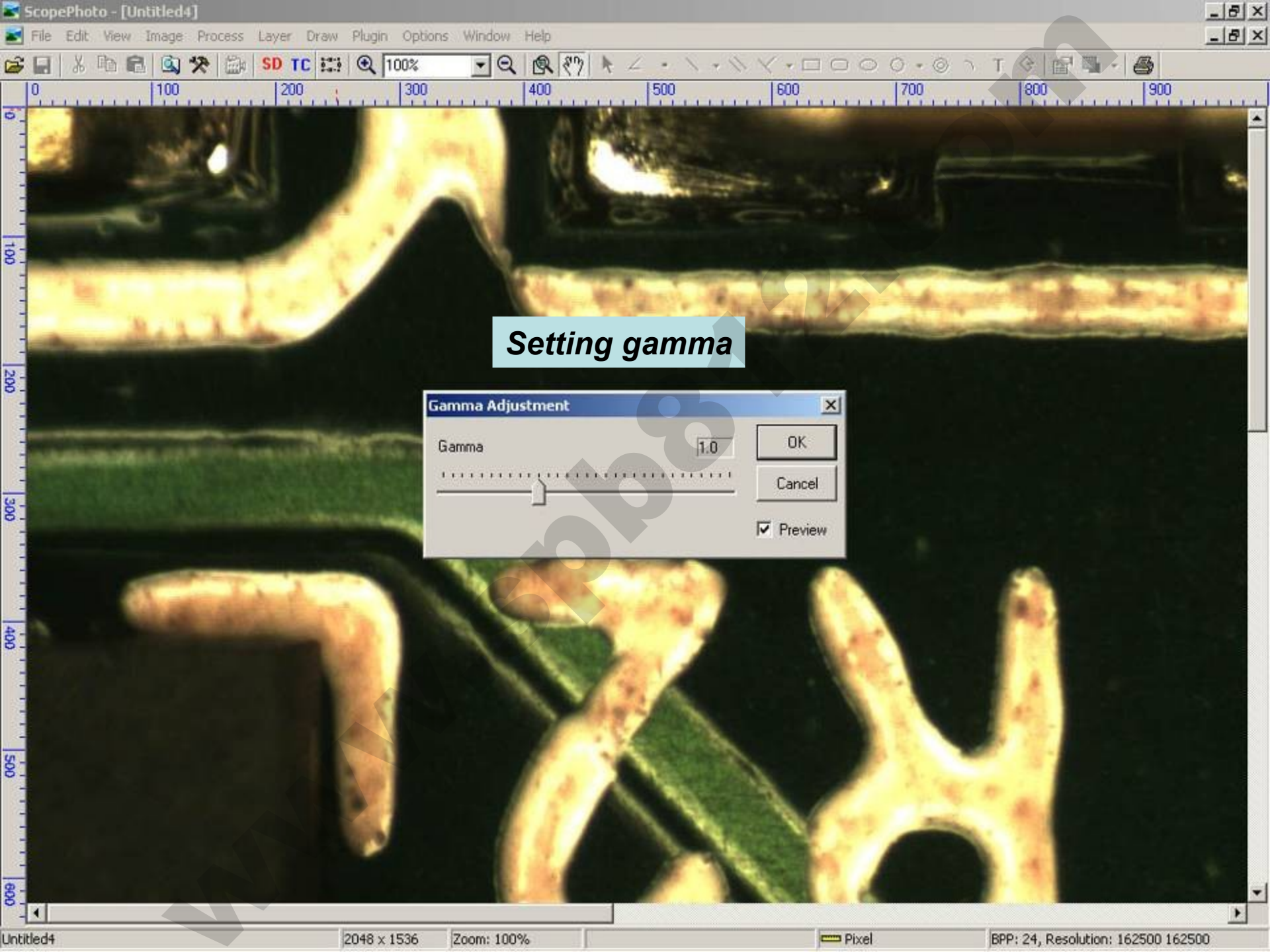
Histogram...

Resolution...





Gamma



Setting gamma

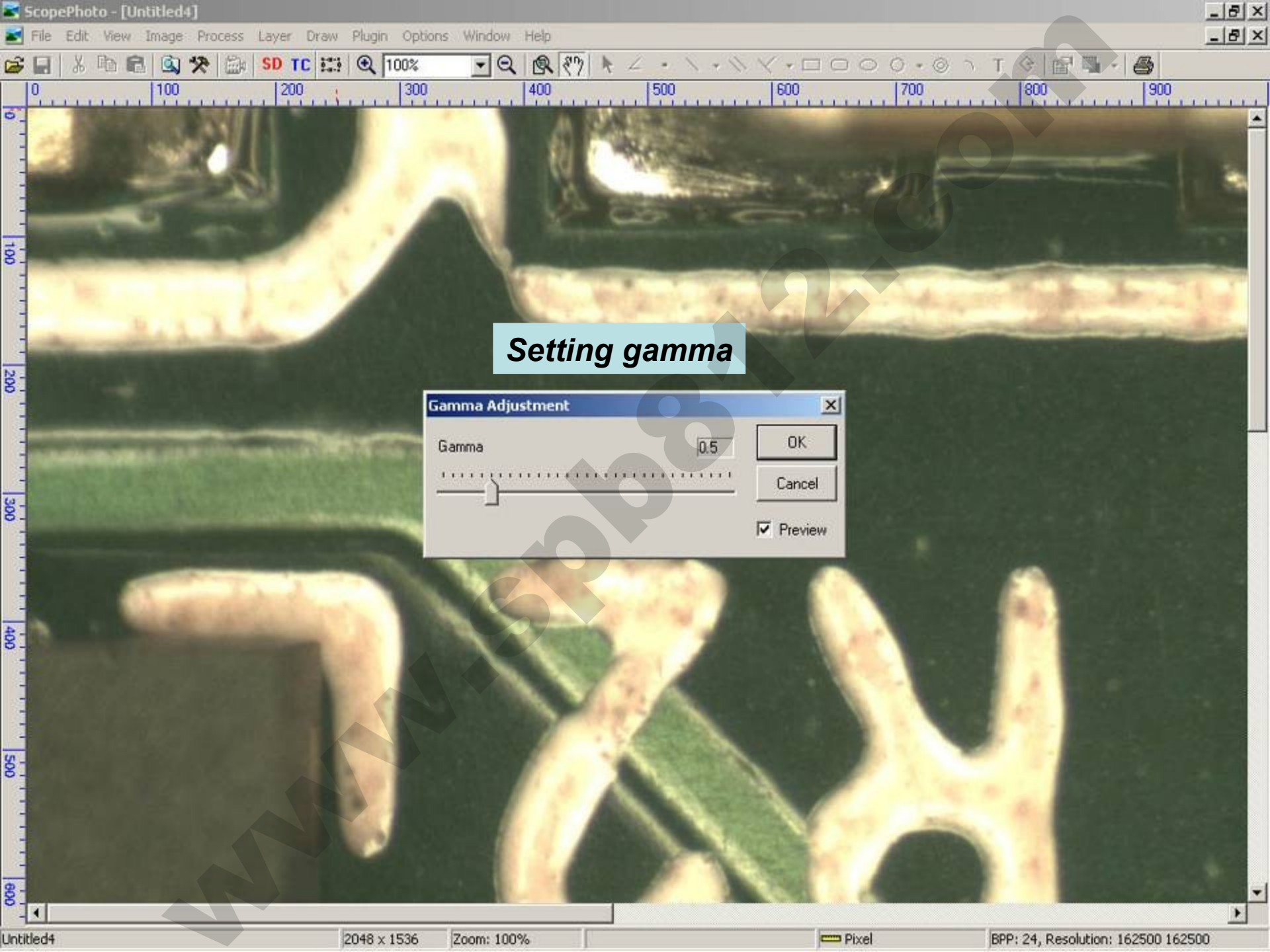
Gamma Adjustment [X]

Gamma

Preview

OK

Cancel



Setting gamma

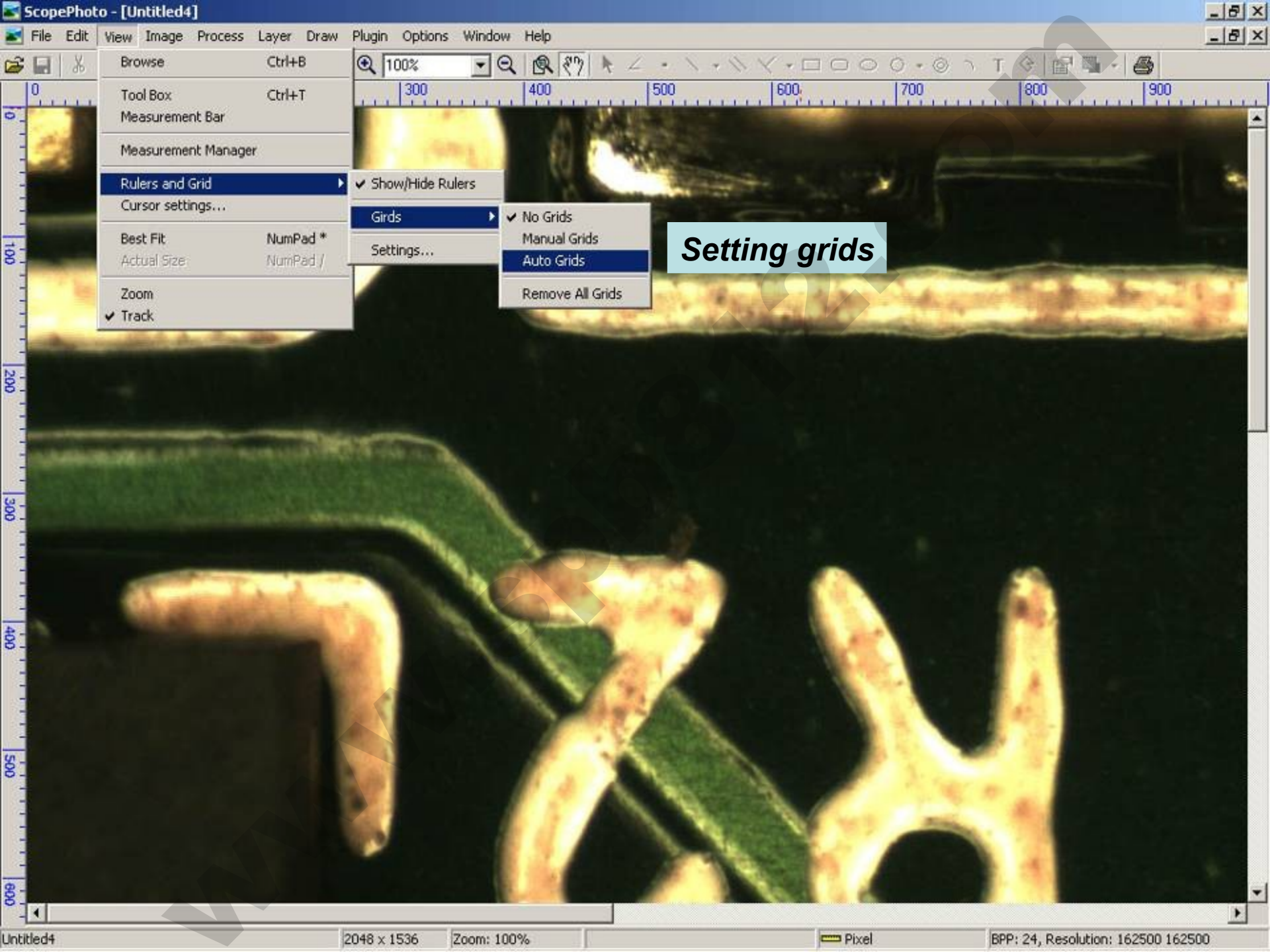
Gamma Adjustment

Gamma

Preview

OK

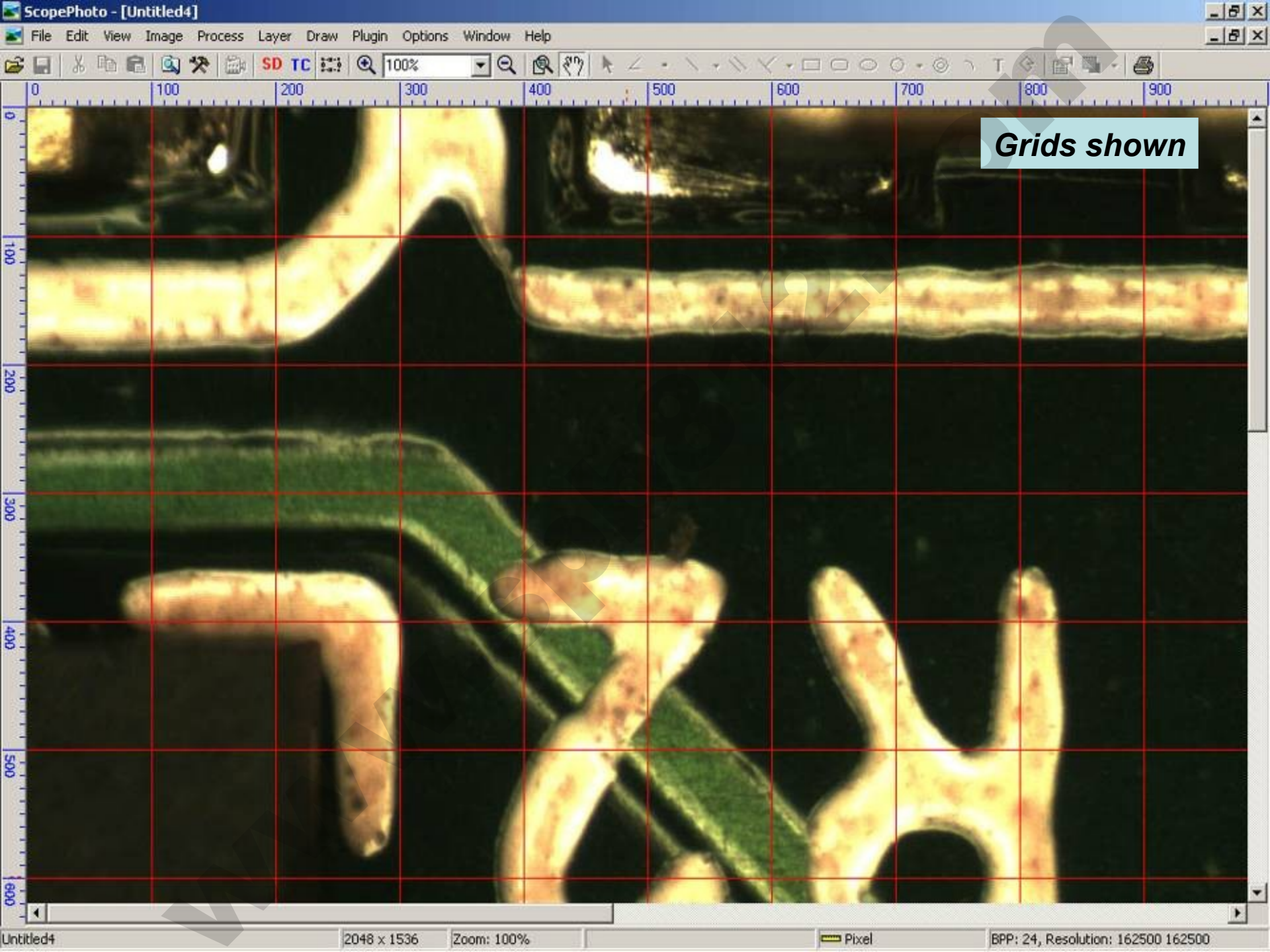
Cancel



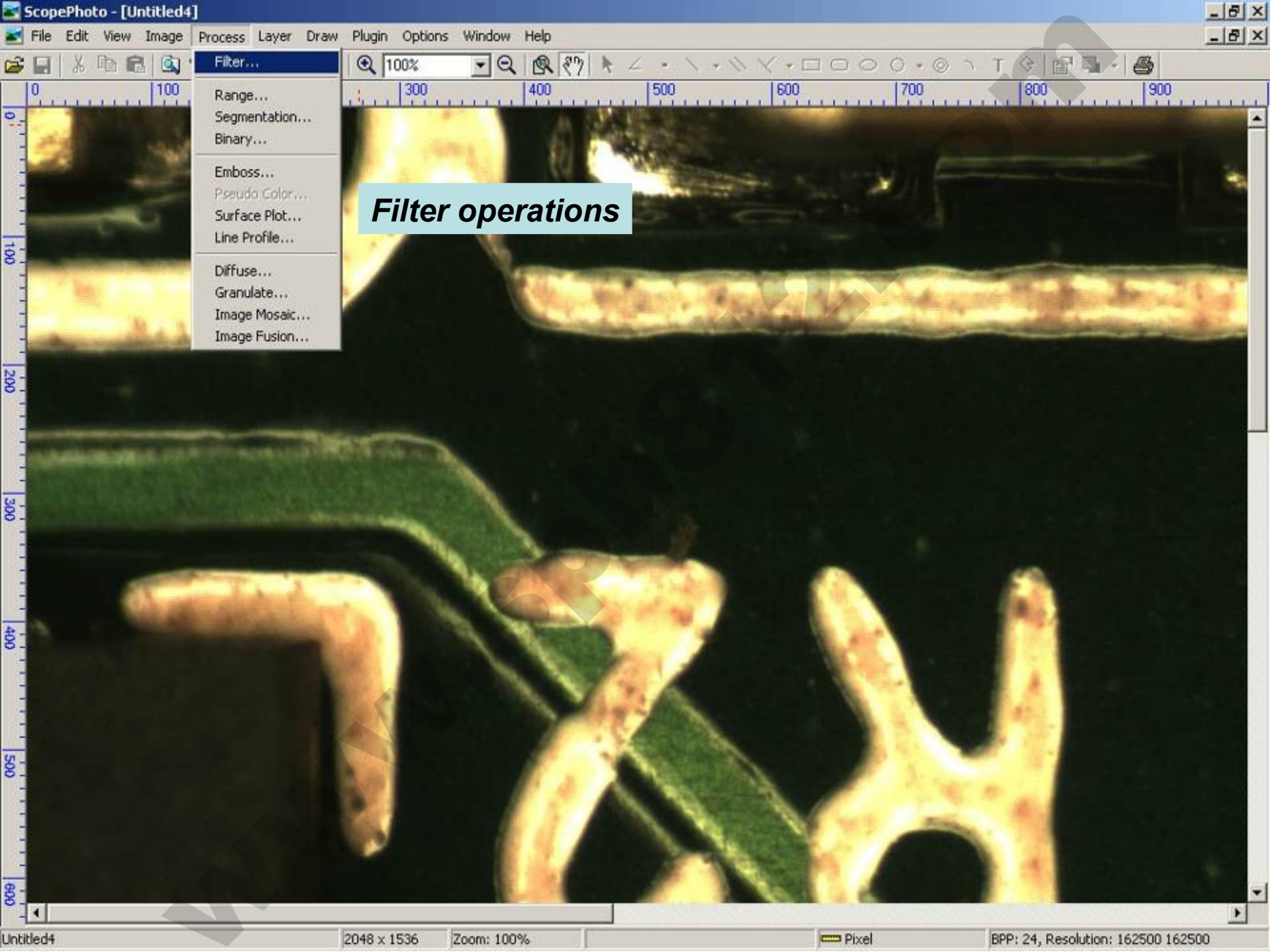
Setting grids

- Browse Ctrl+B
- Tool Box Ctrl+T
- Measurement Bar
- Measurement Manager
- Rulers and Grid
 - Show/Hide Rulers
 - Grids
 - No Grids
 - Manual Grids
 - Auto Grids
 - Remove All Grids
 - Settings...
- Cursor settings...
- Best Fit NumPad *
- Actual Size NumPad /
- Zoom
- Track

- Show/Hide Rulers
- Grids
 - No Grids
 - Manual Grids
 - Auto Grids
 - Remove All Grids
- Settings...



Grids shown



Filter operations

Filter...

Range...

Segmentation...

Binary...

Emboss...

Pseudo Color...

Surface Plot...

Line Profile...

Diffuse...

Granulate...

Image Mosaic...

Image Fusion...

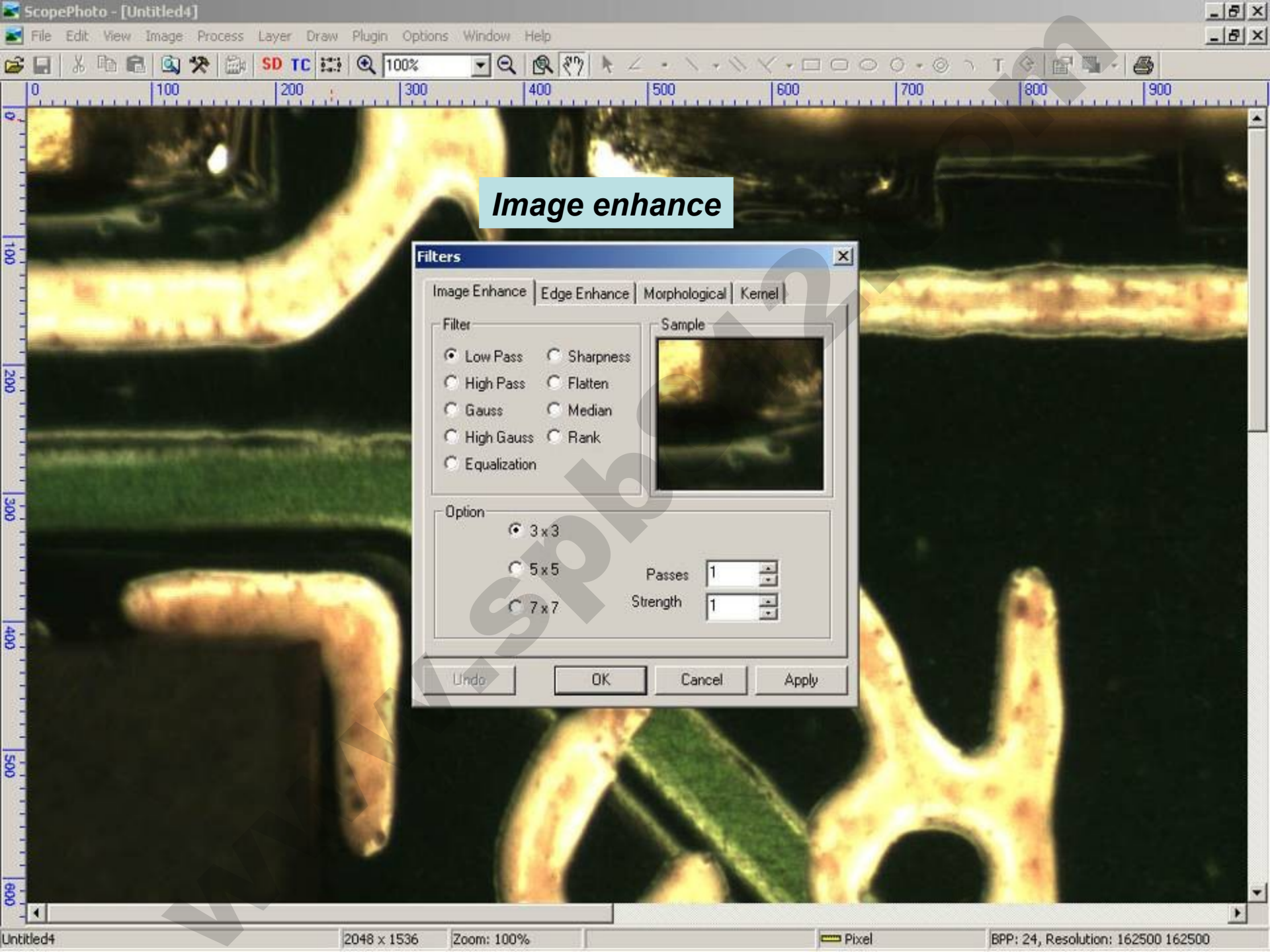


Image enhance

Filters

Image Enhance | Edge Enhance | Morphological | Kernel

Filter

- Low Pass
- High Pass
- Gauss
- High Gauss
- Equalization
- Sharpness
- Flatten
- Median
- Rank

Option

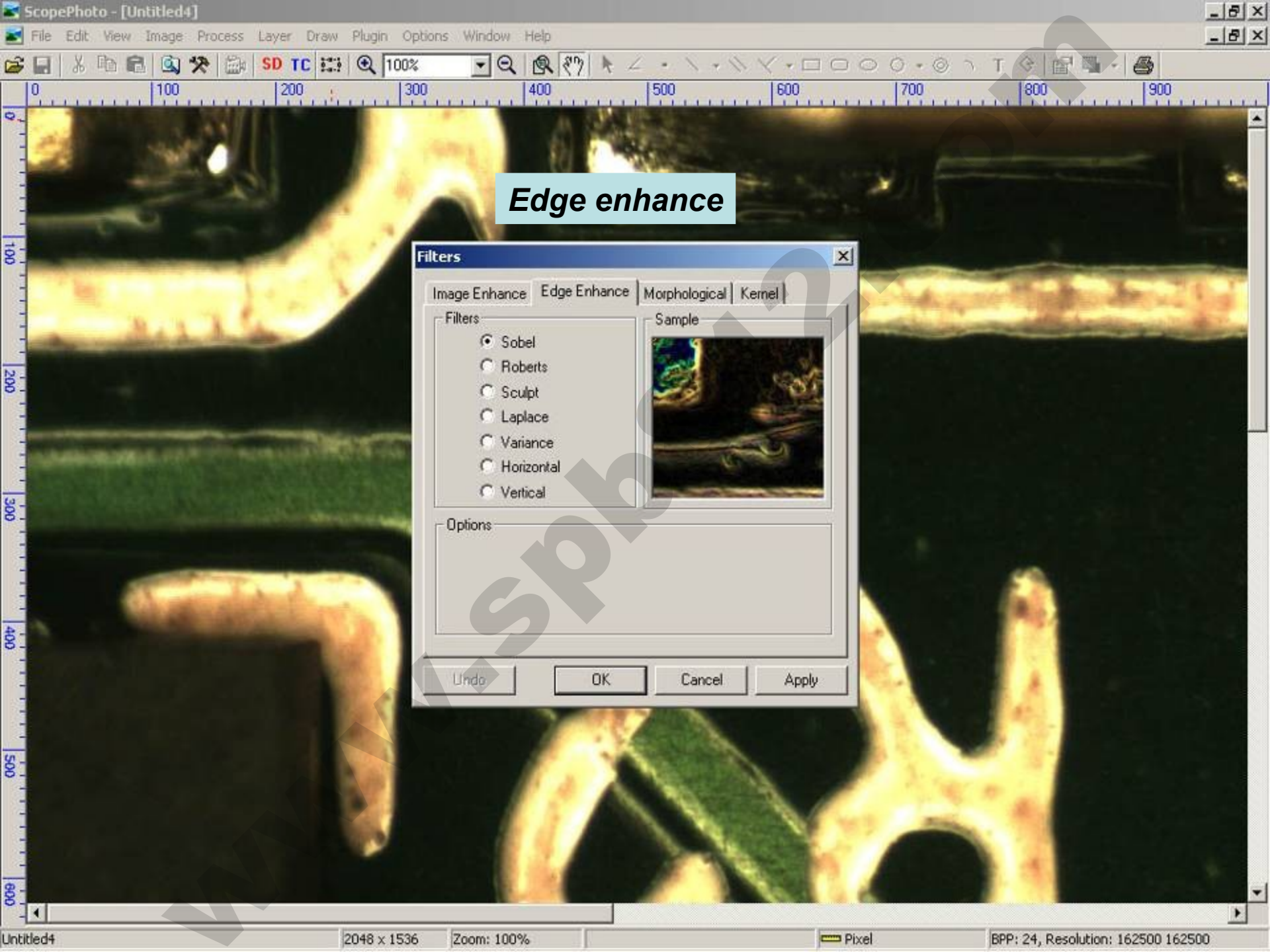
- 3 x 3
- 5 x 5
- 7 x 7

Passes: 1

Strength: 1

Sample

Undo OK Cancel Apply



Edge enhance

Filters

Image Enhance | **Edge Enhance** | Morphological | Kernel

Filters:

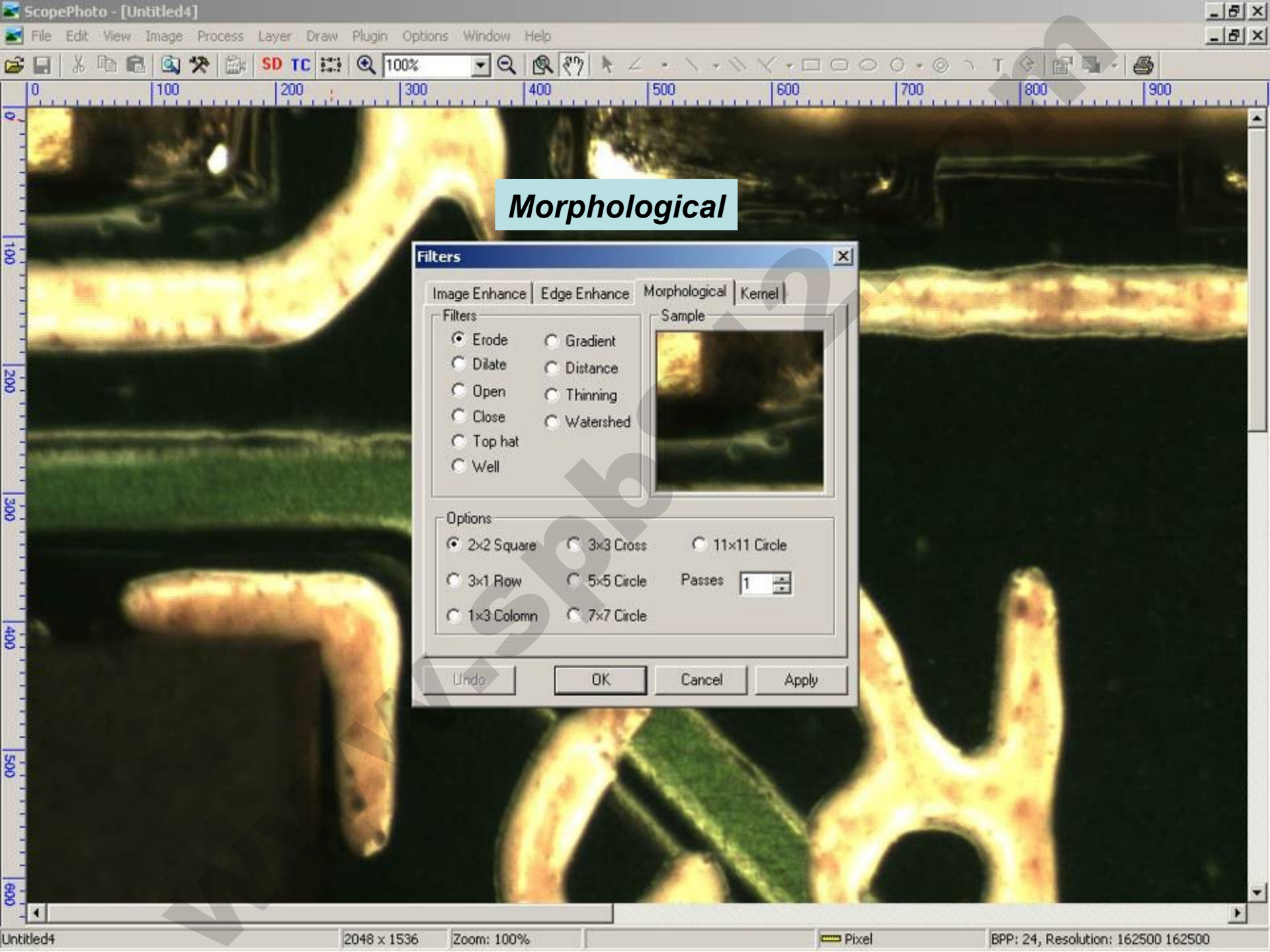
- Sobel
- Roberts
- Sculpt
- Laplace
- Variance
- Horizontal
- Vertical

Sample



Options

Undo OK Cancel Apply



Morphological

Filters

Image Enhance | Edge Enhance | **Morphological** | Kernel

Filters

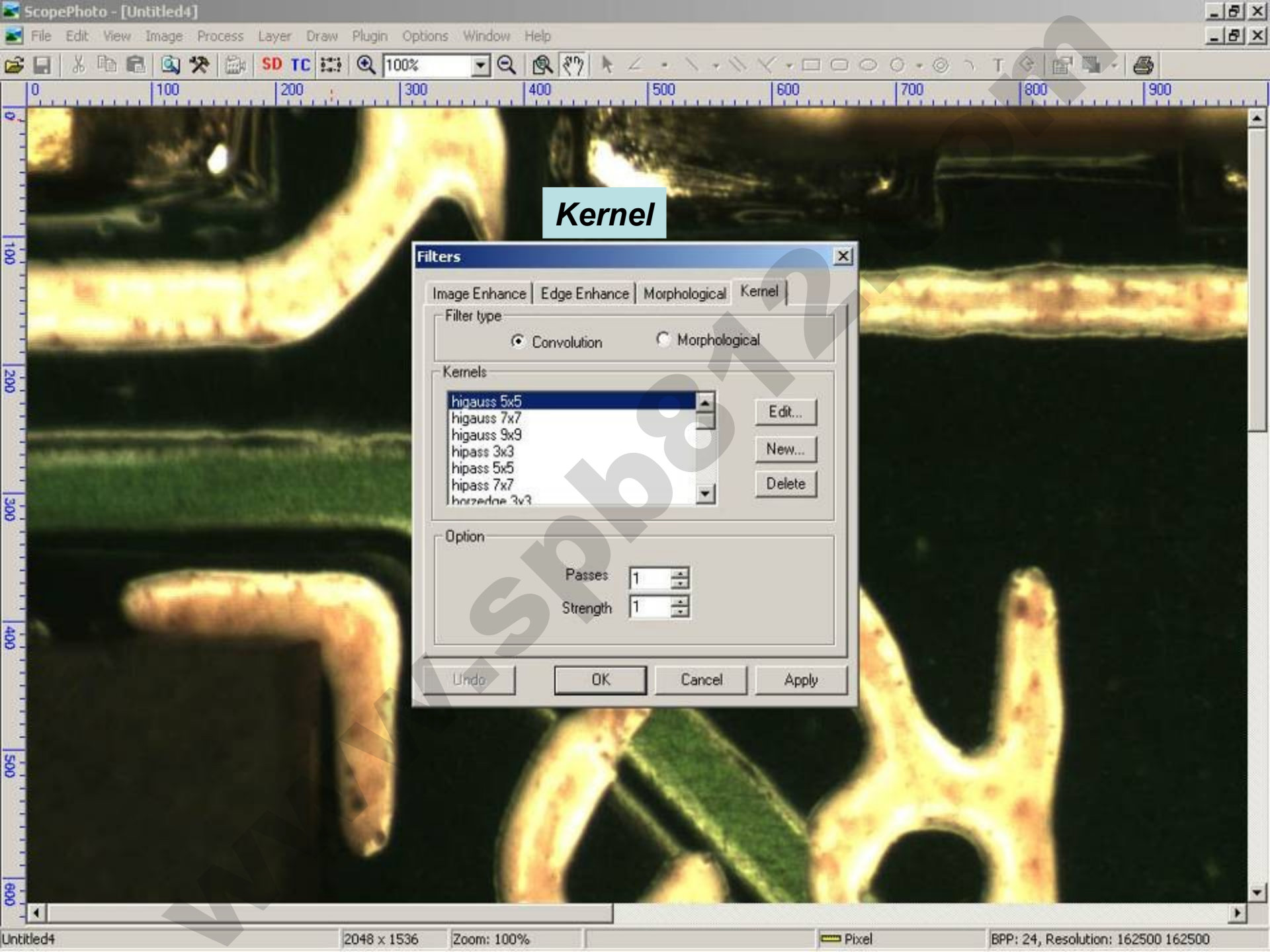
- Erode
- Dilate
- Open
- Close
- Top hat
- Well
- Gradient
- Distance
- Thinning
- Watershed

Options

- 2x2 Square
- 3x3 Cross
- 11x11 Circle
- 3x1 Row
- 5x5 Circle
- 1x3 Column
- 7x7 Circle

Passes:

Undo | OK | Cancel | Apply



Kernel

Filters

Image Enhance | Edge Enhance | Morphological | **Kernel**

Filter type:
 Convolution Morphological

Kernels

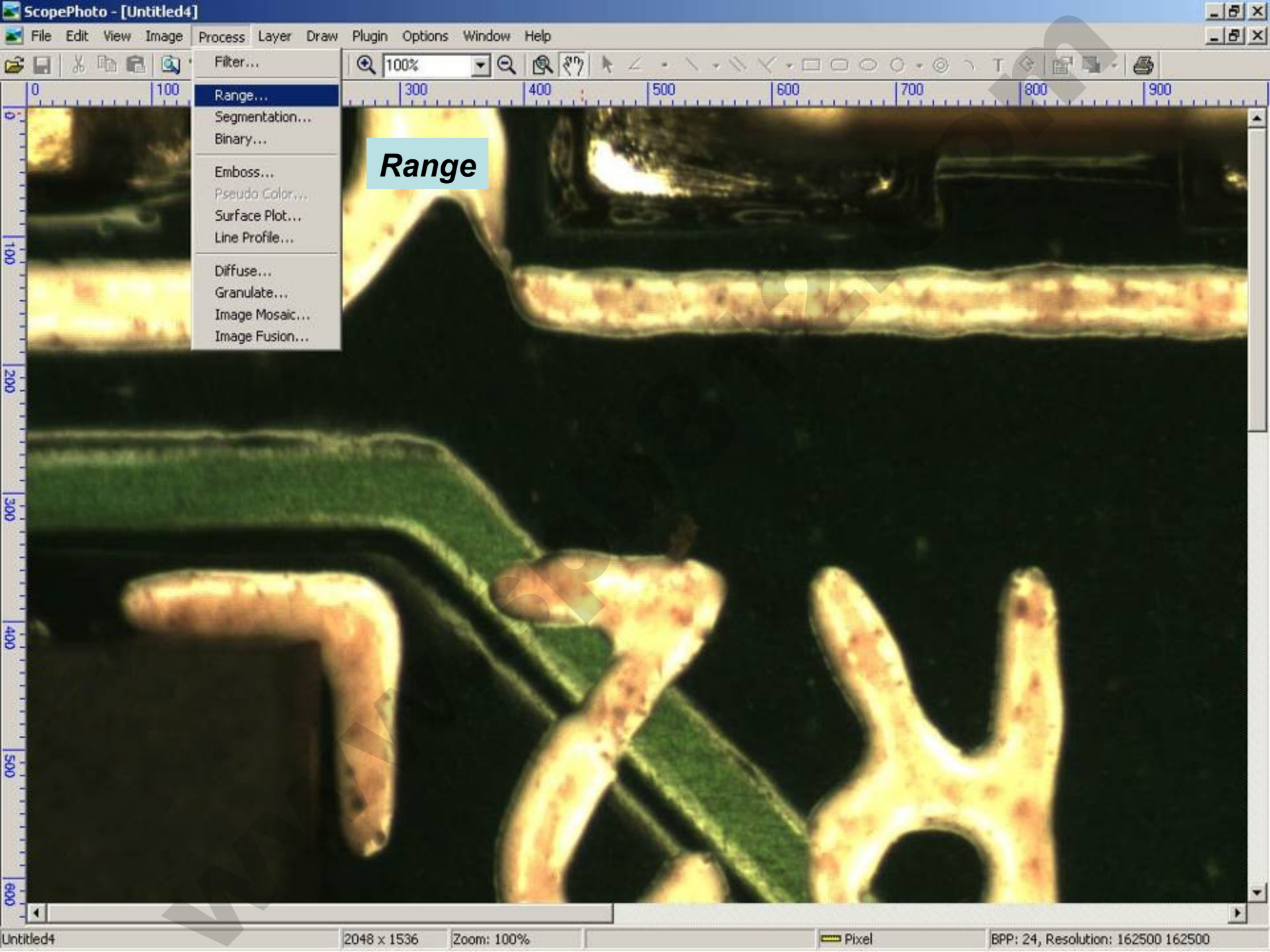
- higauss 5x5
- higauss 7x7
- higauss 9x9
- hipass 3x3
- hipass 5x5
- hipass 7x7
- hkernel 3x3

Buttons: Edit... New... Delete

Option

Passes: 1
Strength: 1

Buttons: Undo OK Cancel Apply



Range

Filter...

Range...

Segmentation...

Binary...

Emboss...

Pseudo Color...

Surface Plot...

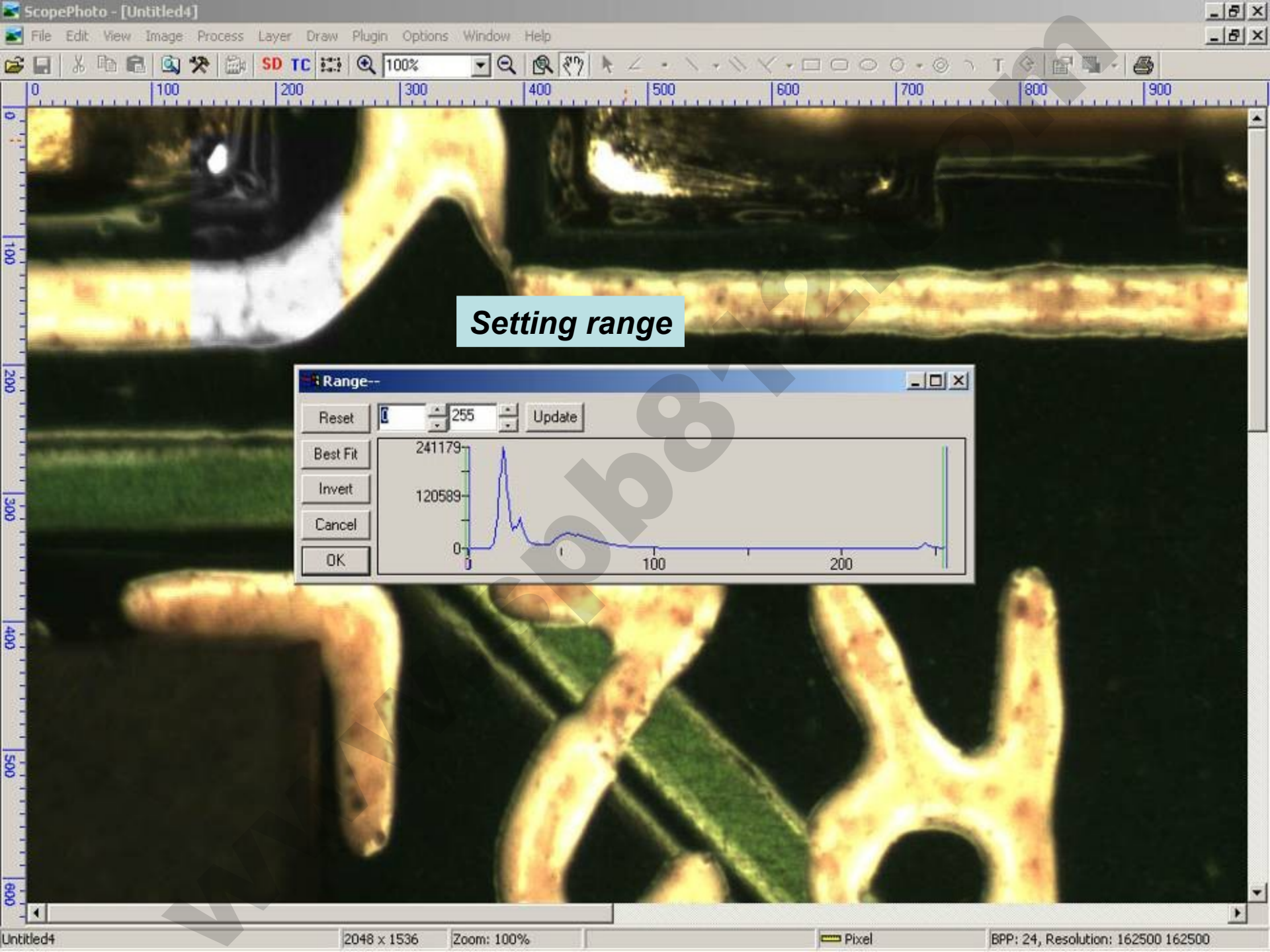
Line Profile...

Diffuse...

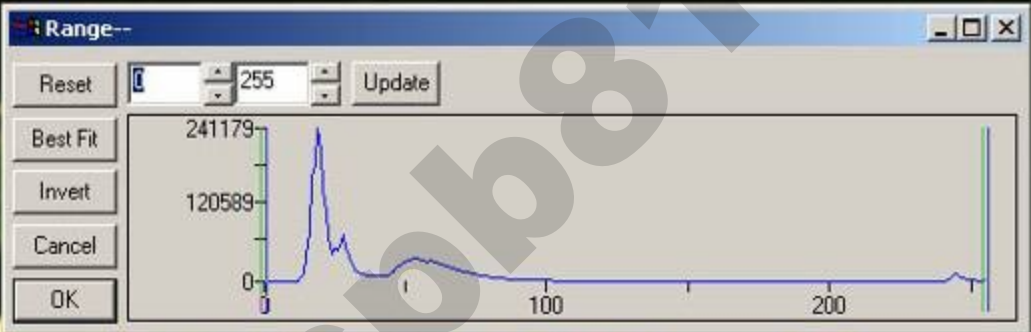
Granulate...

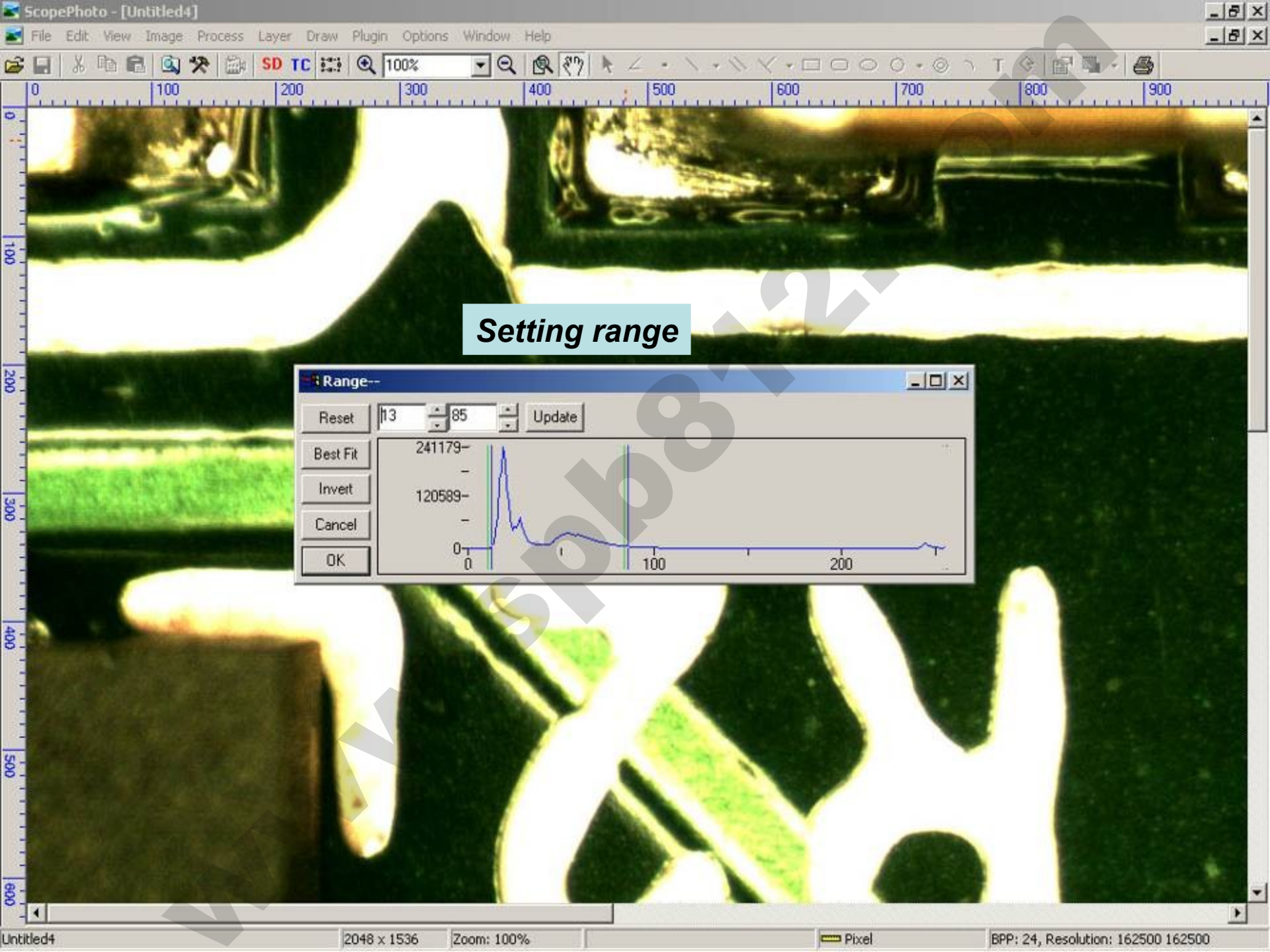
Image Mosaic...

Image Fusion...

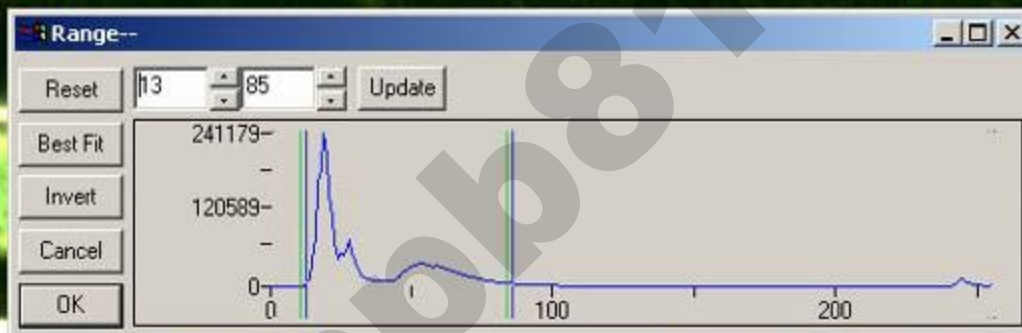


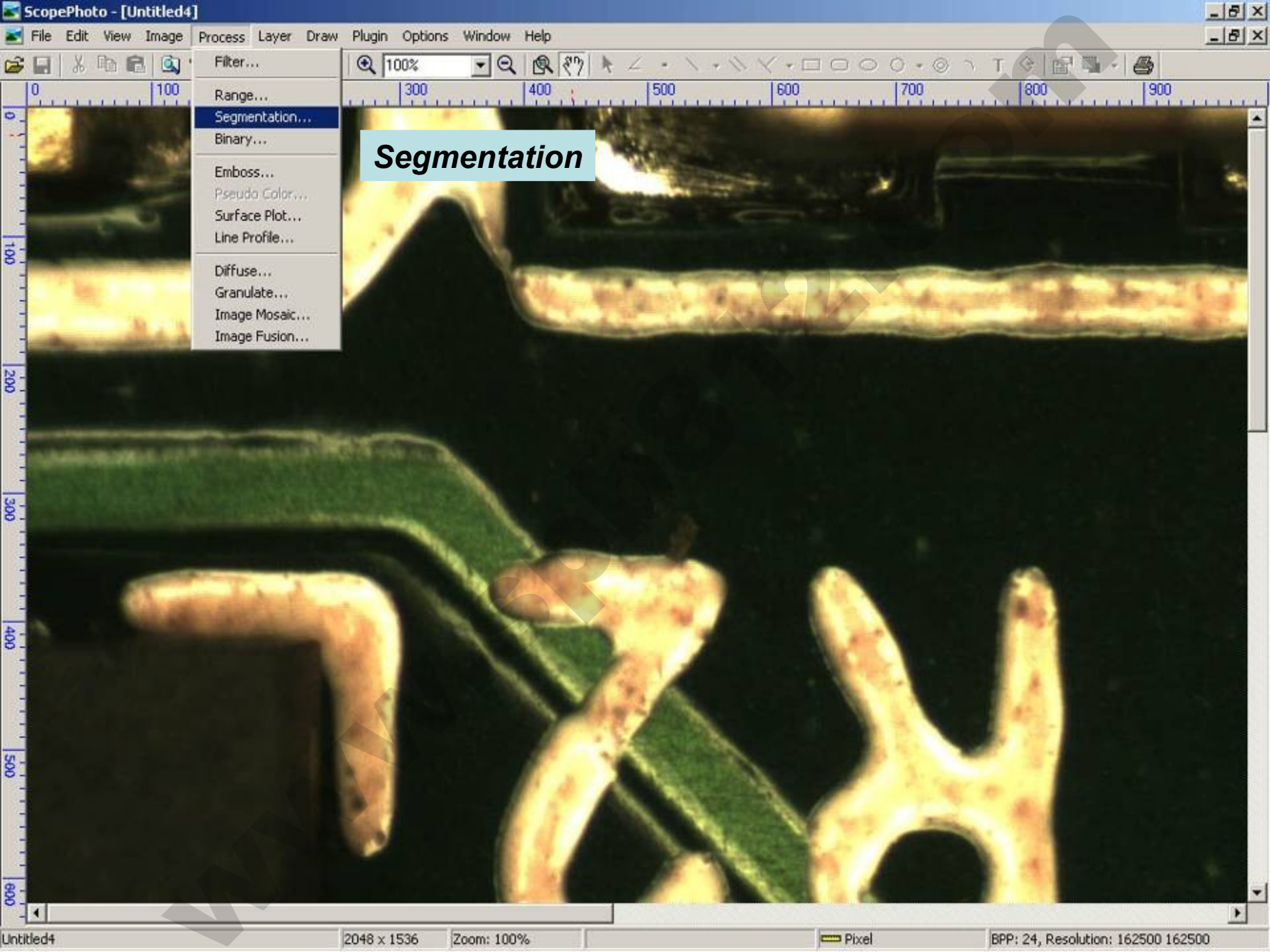
Setting range





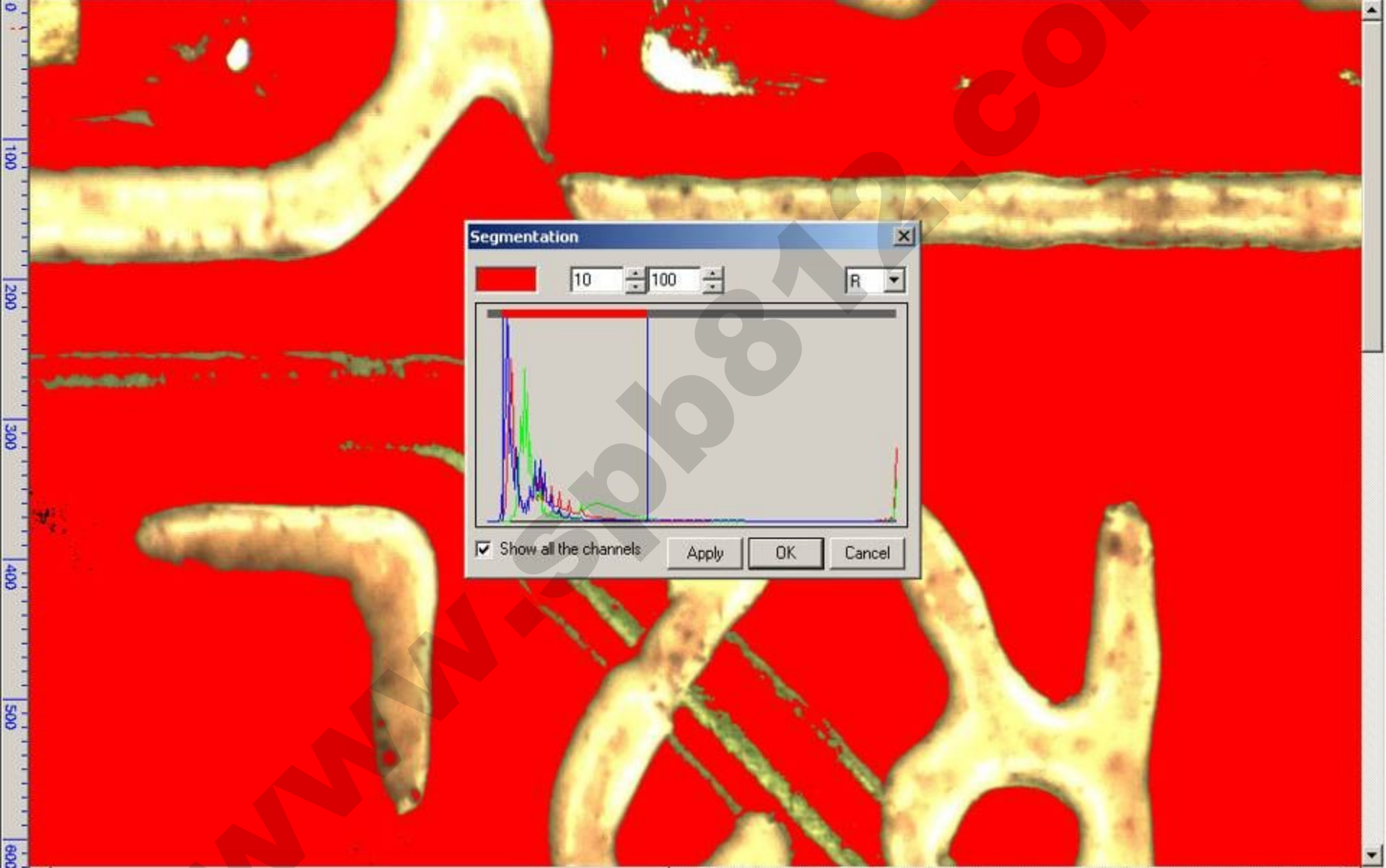
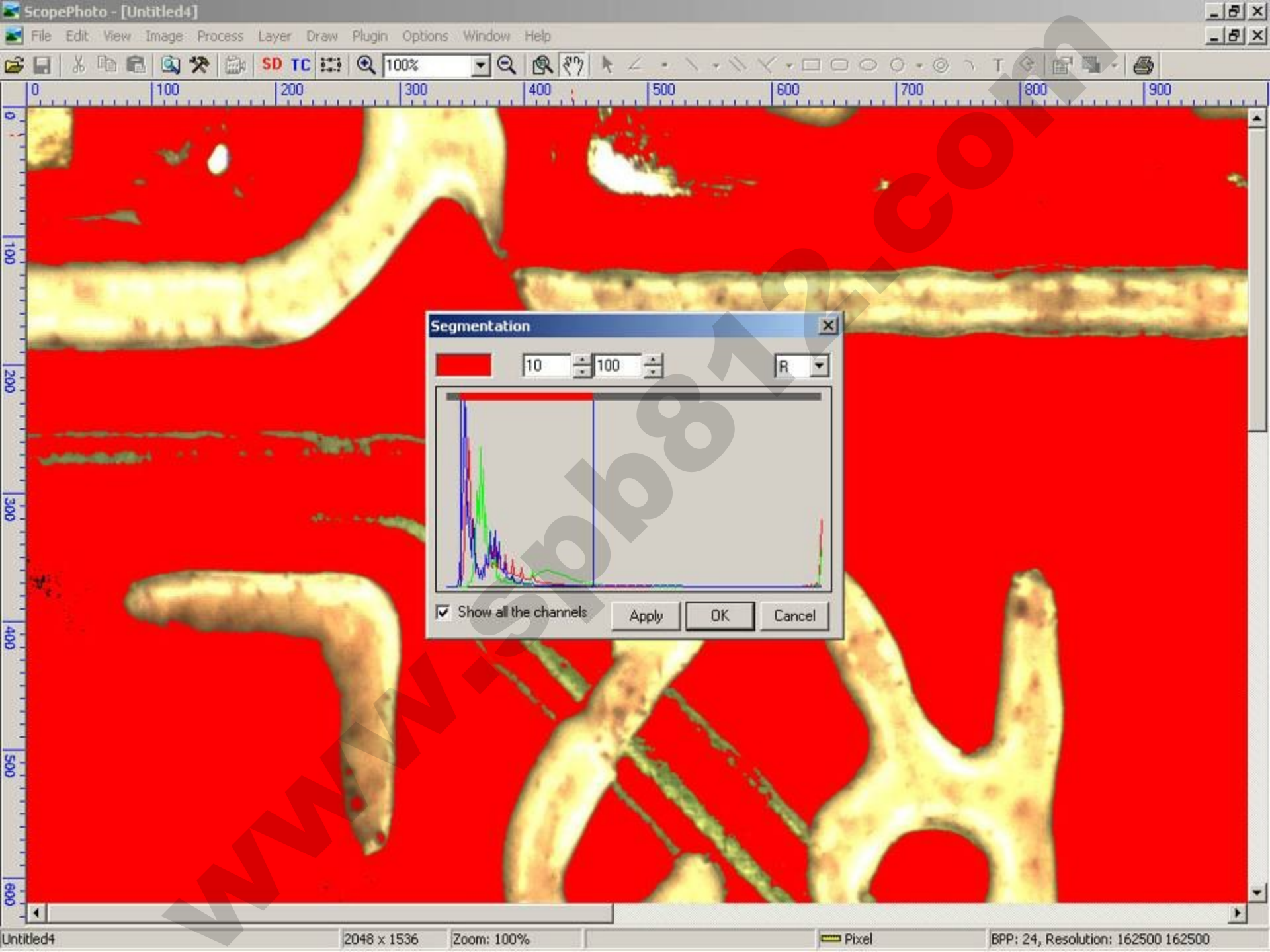
Setting range





Segmentation

- Filter...
- Range...
- Segmentation...
- Binary...
- Emboss...
- Pseudo Color...
- Surface Plot...
- Line Profile...
- Diffuse...
- Granulate...
- Image Mosaic...
- Image Fusion...

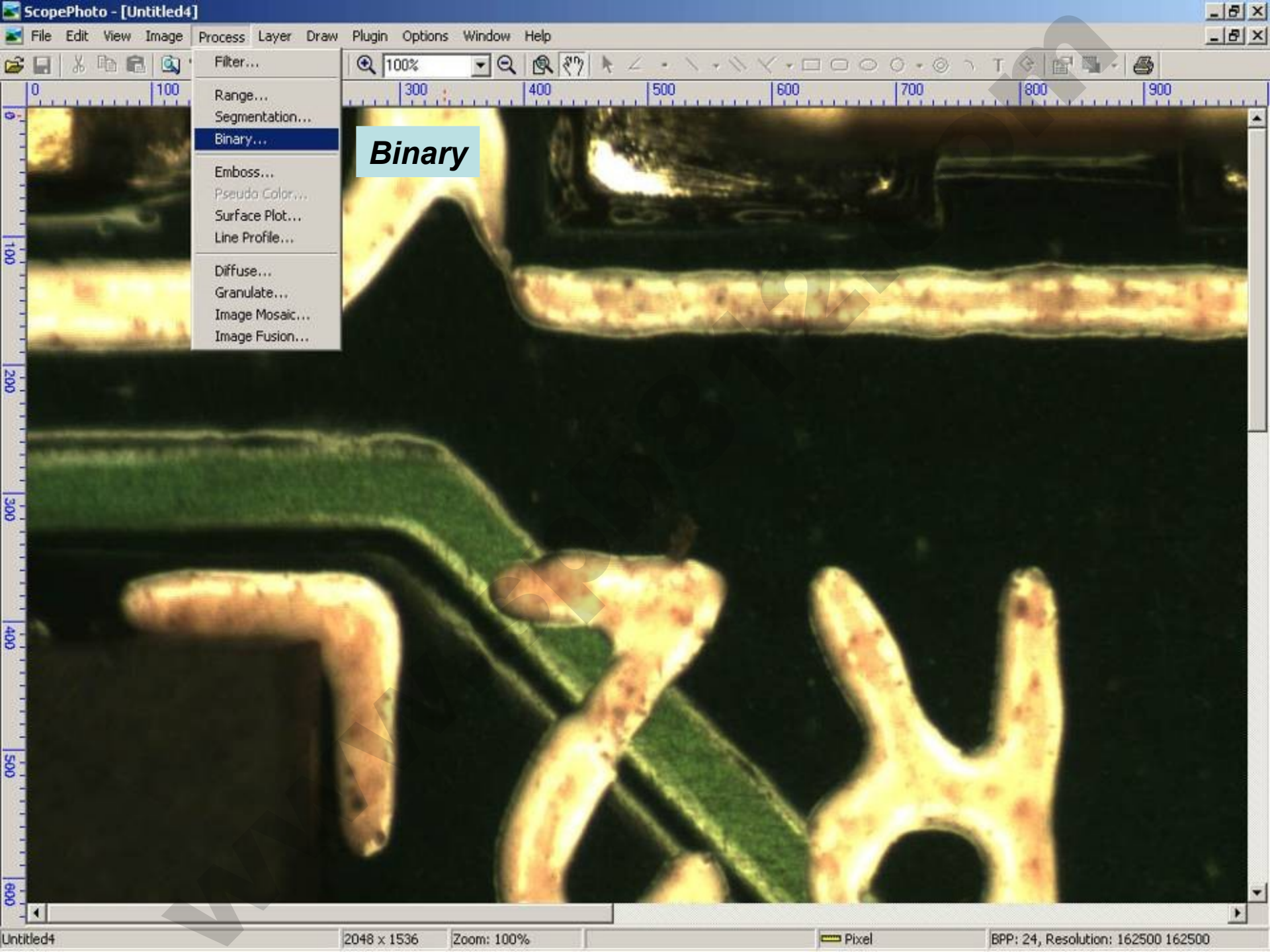


Segmentation

10 100 R

Show all the channels

Apply OK Cancel



Binary

Filter...

Range...

Segmentation...

Binary...

Emboss...

Pseudo Color...

Surface Plot...

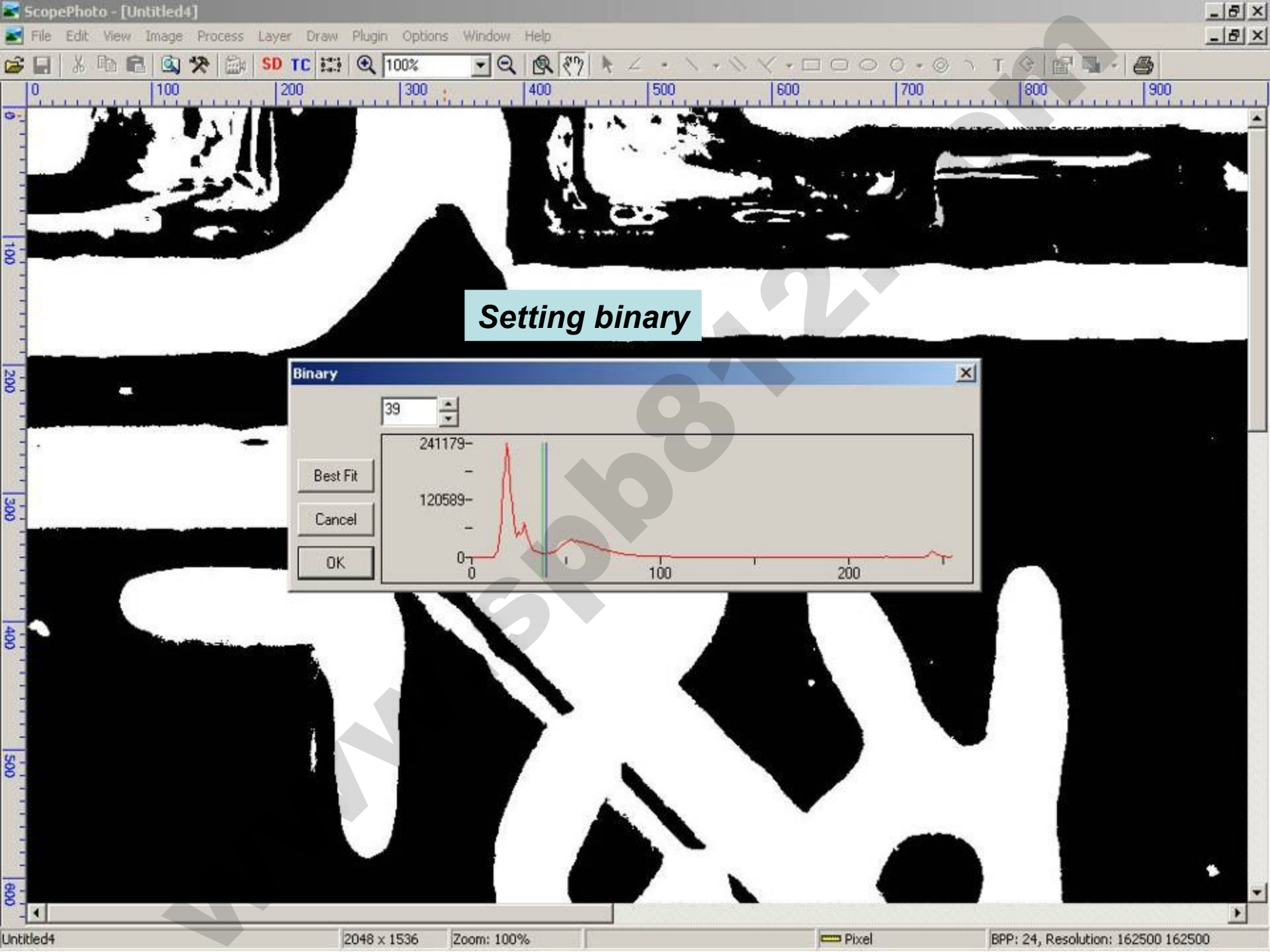
Line Profile...

Diffuse...

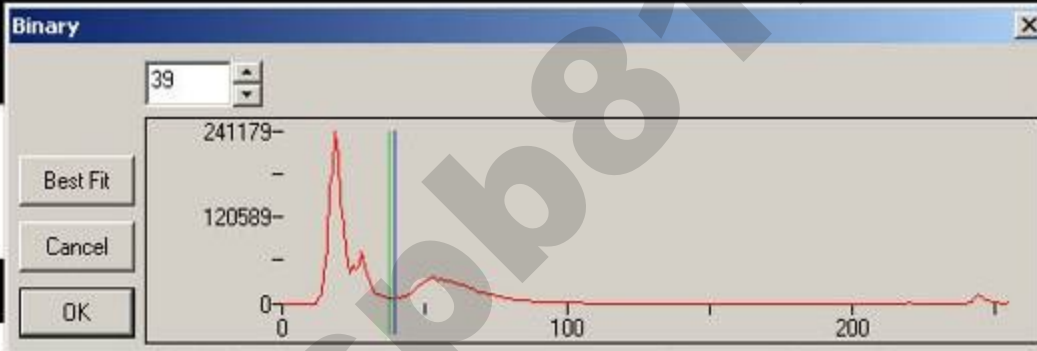
Granulate...

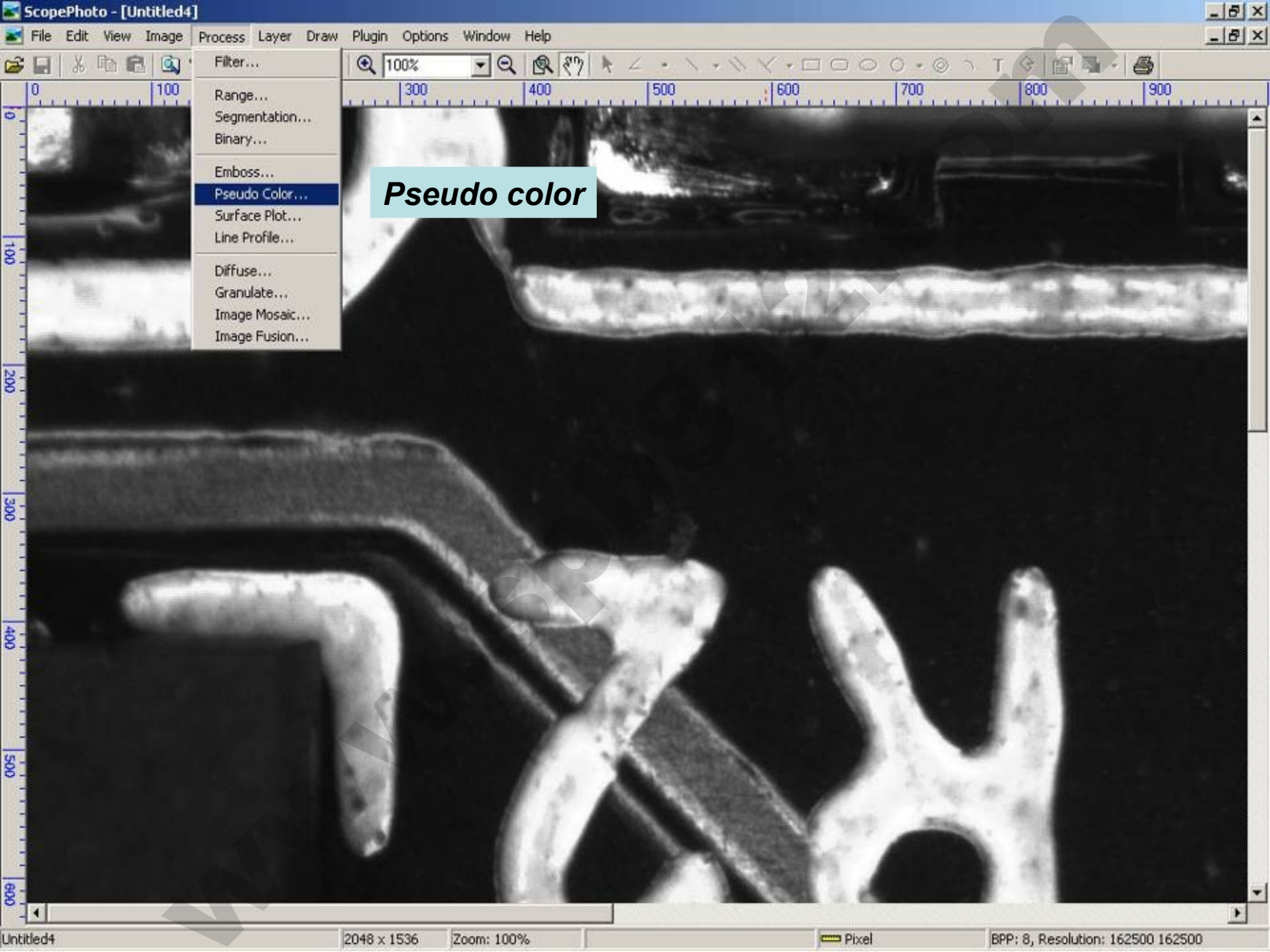
Image Mosaic...

Image Fusion...



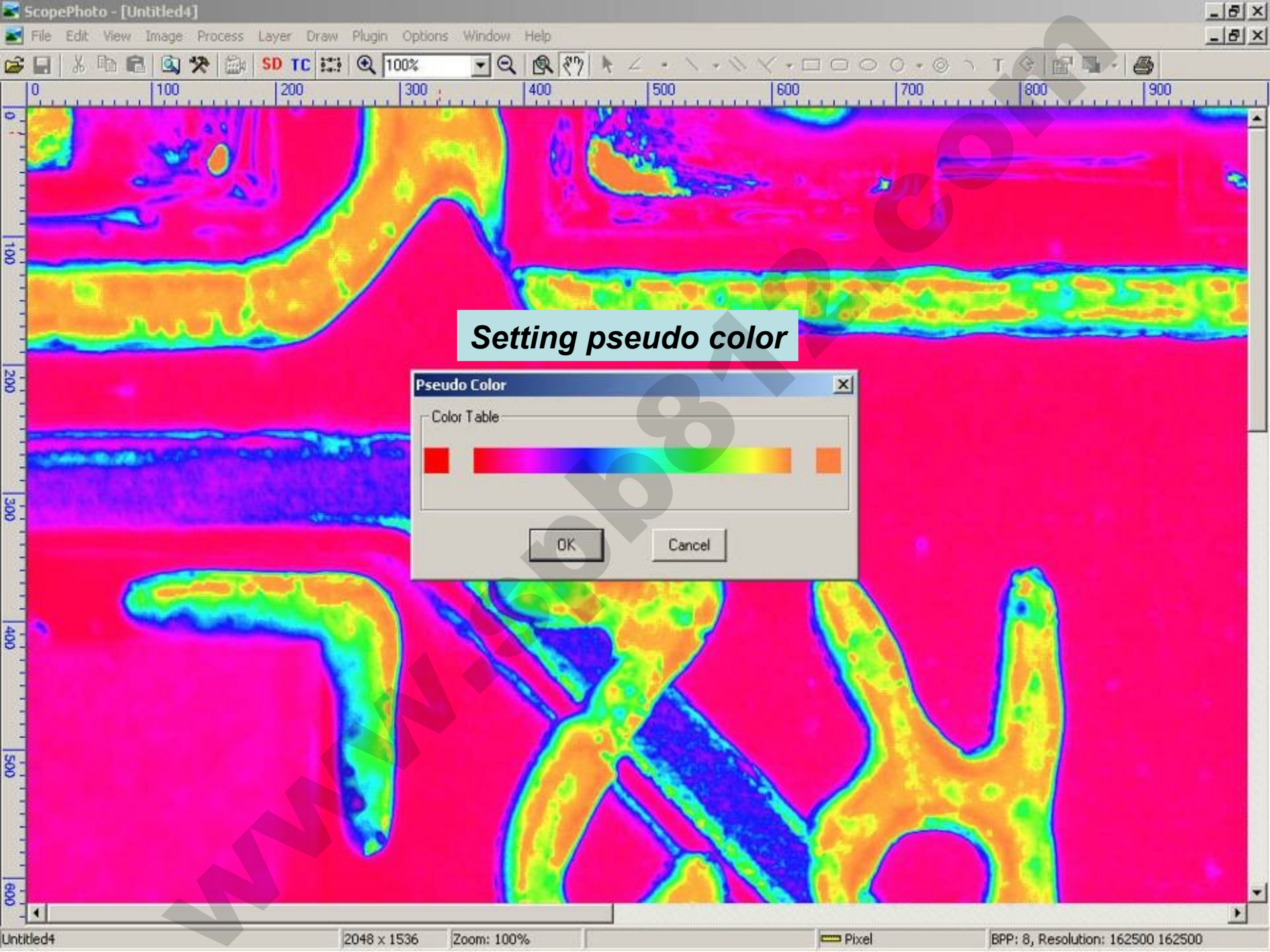
Setting binary





Pseudo color

- Filter...
- Range...
- Segmentation...
- Binary...
- Emboss...
- Pseudo Color...**
- Surface Plot...
- Line Profile...
- Diffuse...
- Granulate...
- Image Mosaic...
- Image Fusion...



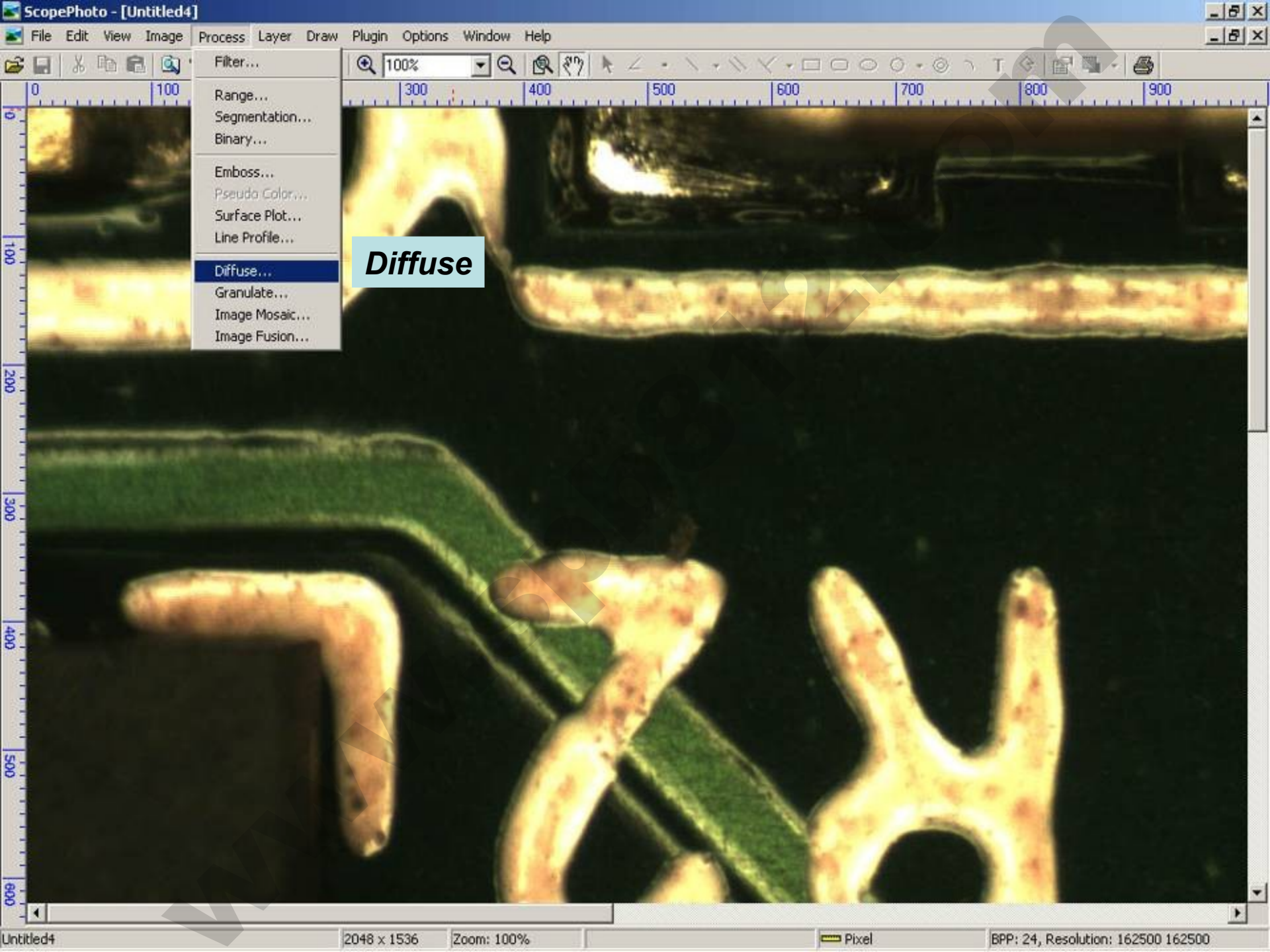
Setting pseudo color

Pseudo Color

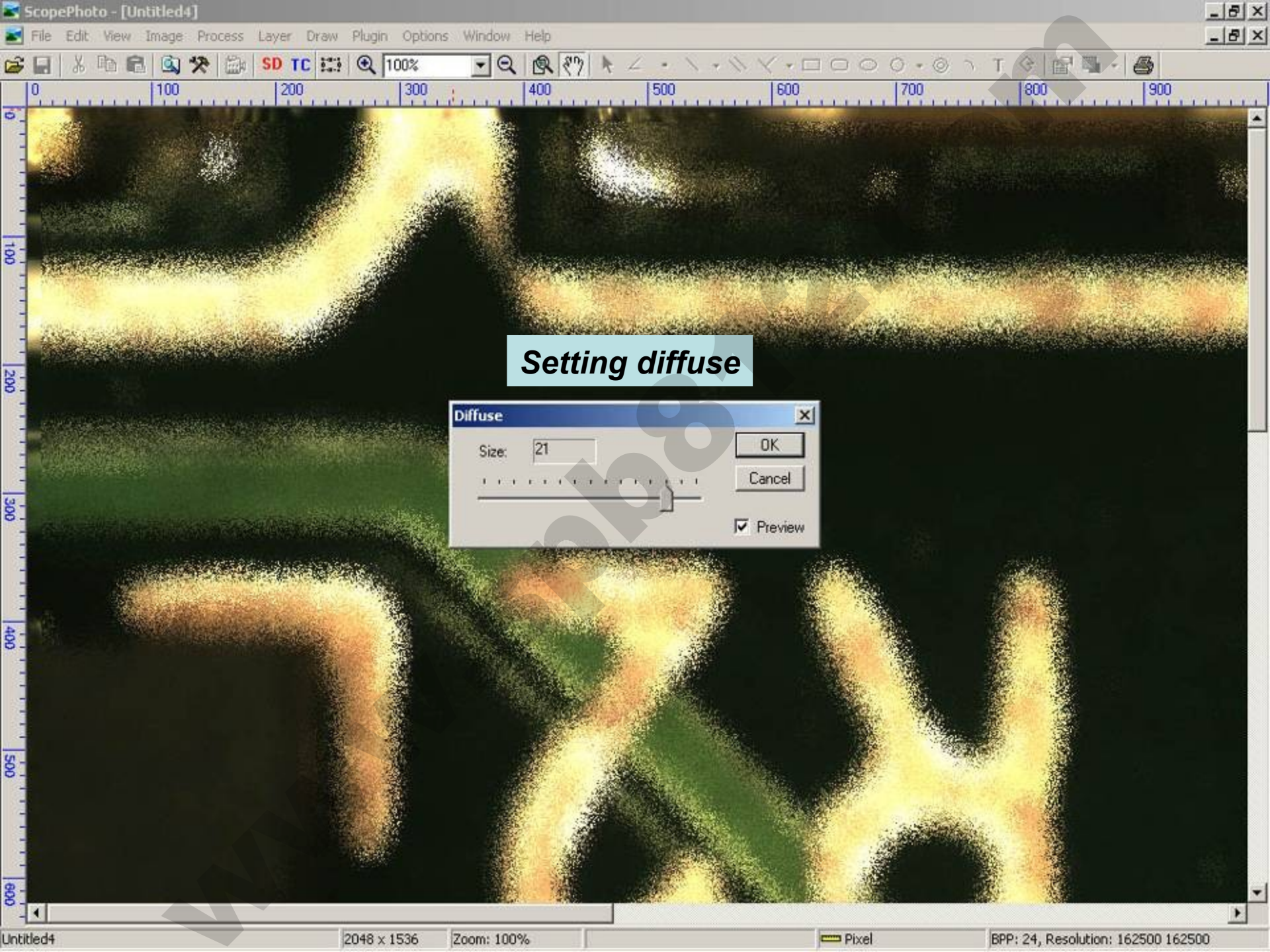
Color Table



OK Cancel



Diffuse



Setting diffuse

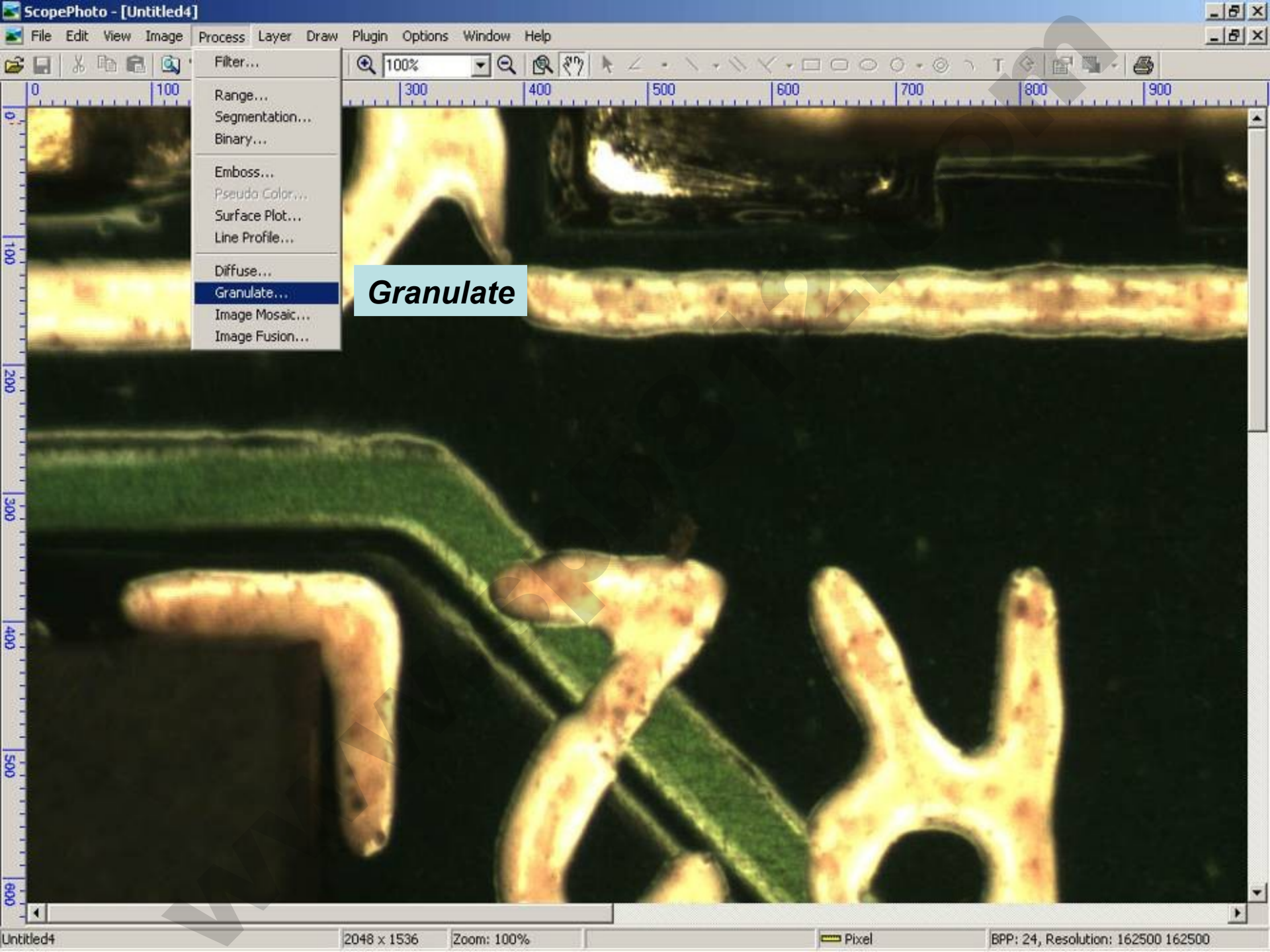
Diffuse [X]

Size:

OK

Cancel

Preview



Granulate

Filter...

Range...

Segmentation...

Binary...

Emboss...

Pseudo Color...

Surface Plot...

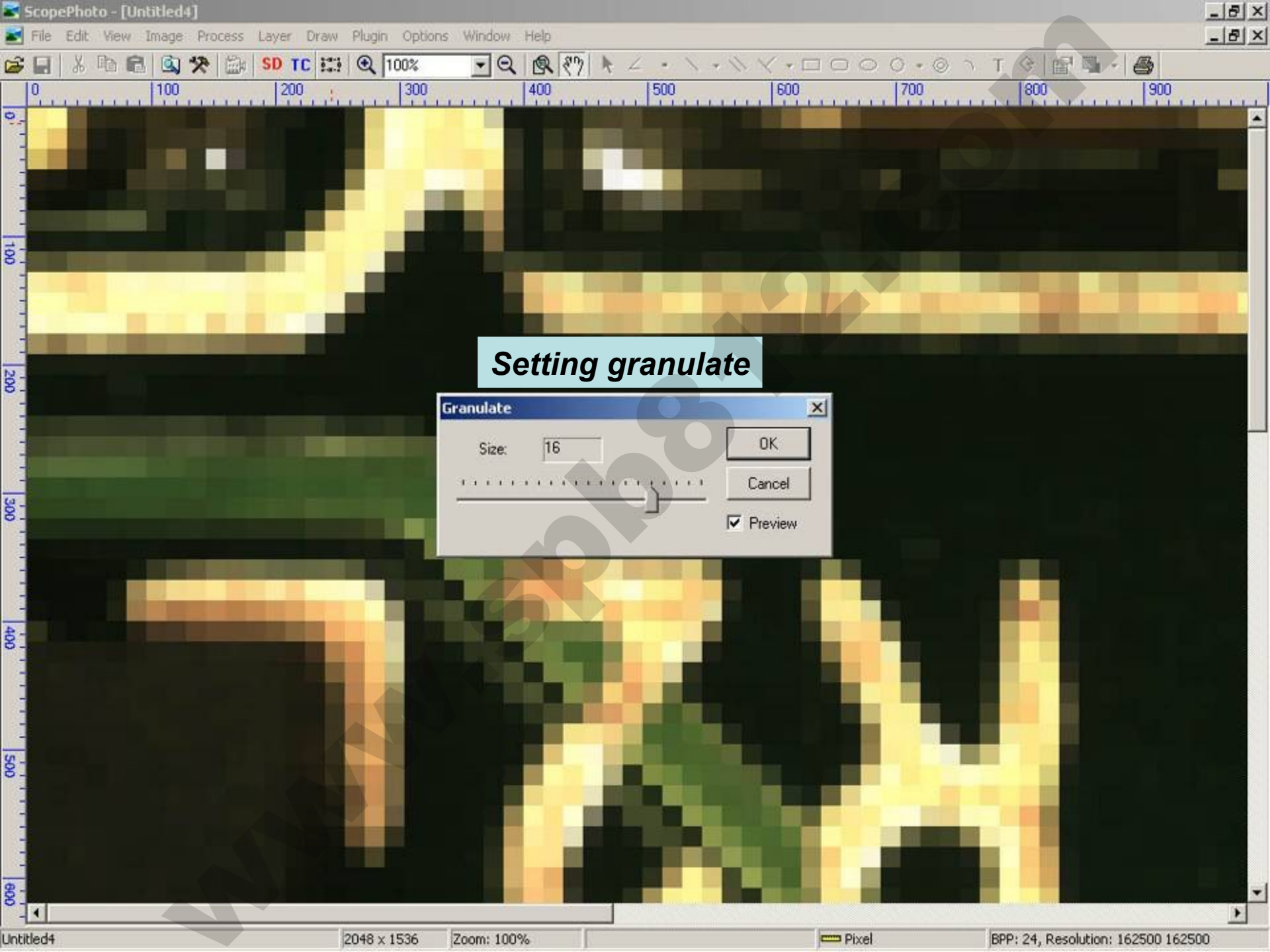
Line Profile...

Diffuse...

Granulate...

Image Mosaic...

Image Fusion...



Setting granulate

Granulate [X]

Size:

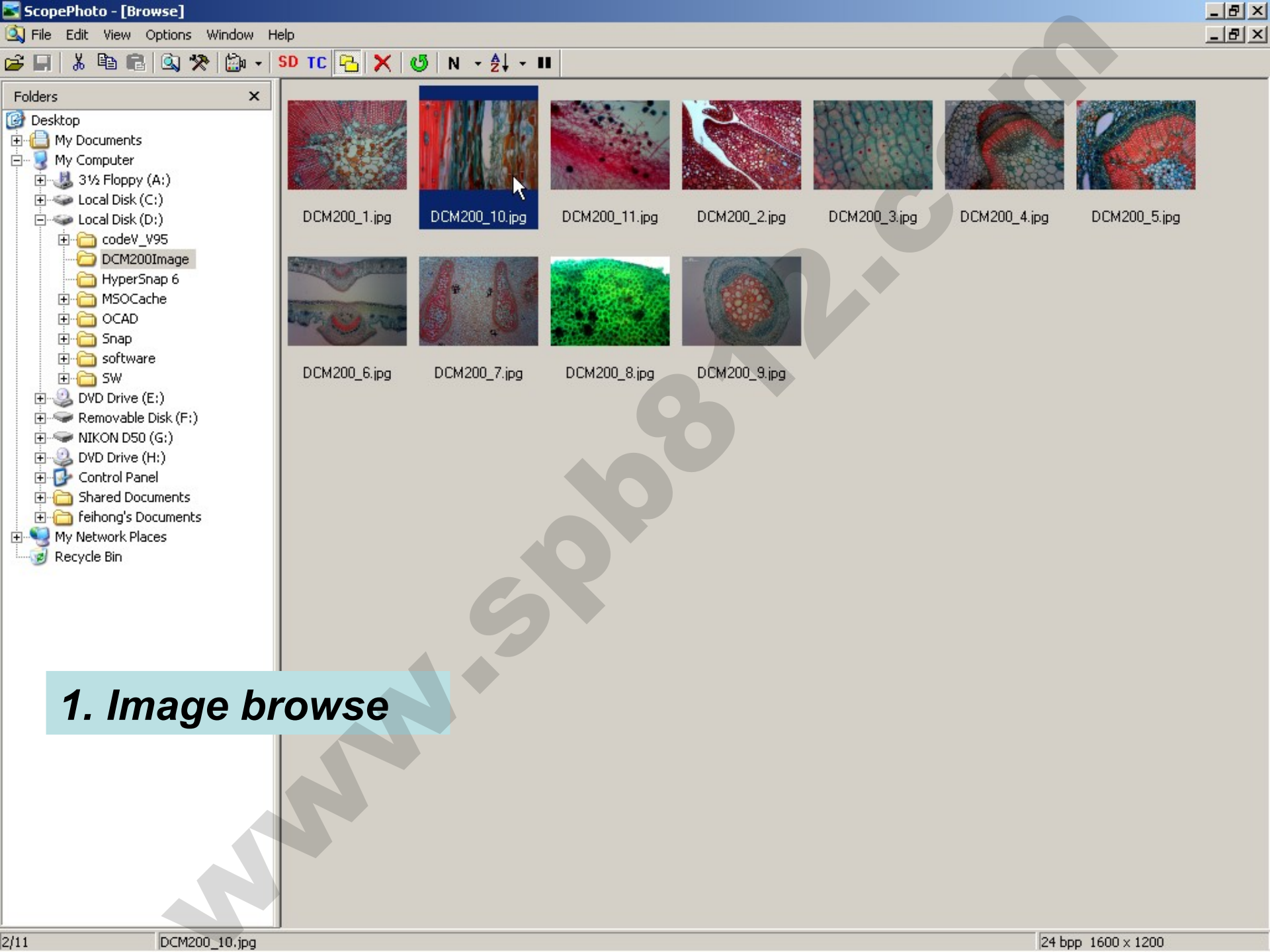
OK

Cancel

Preview

Image browse

www.spr812.com



1. Image browse

2. Image open

- Open image file
 - G:\ImageWithLayerInfo
- Browse Folder
- Live Capture
 - ScopeTek DCM200

Open

Look in: DCM200Image

DCM200_1.jpg DCM200_2.jpg DCM200_3.jpg

DCM200_4.jpg DCM200_5.jpg DCM200_6.jpg

File name: DCM200_1.jpg

Files of type: All supported formats

- Windows Bitmap (*.bmp;*.dib;*.rle)
- JPEG (*.jpg;*.jpeg;*.jpe;*.jif;*.jfif)
- Portable Network Graphics (*.png)
- Tag Image File Format (*.tif;*.tiff)
- CompuServe GIF (*.gif)
- PCX (*.pcx)
- Targa (*.tga)
- Photoshop (*.psd)
- Icon (*.ico)
- Enhanced Windows Metafile (*.emf)
- Windows Metafile (*.wmf)
- JBIG (*.jbg)
- Wireless Bitmap (*.wbmp)
- Scope File Type (*.sit)
- All supported formats
- All Files (*.*)

Image Info: Preview

Current File: D:\DCM200

Width:

Open Cancel

Show this start page on startup.



- Help Contents F1
- Show Start Page
- Check to Update
- About...

What can ScopePhoto do for you?

- ➔ [Open image file](#)
 - ➔ [D:\DCM200Image\ScopeTek.DCM200.jpg](#)
 - ➔ [G:\Image With Layer Information.sft](#)
- ➔ [Browse Folder](#)
- ➔ [Live Capture](#)
 - ➔ [ScopeTek.DCM200](#)

Show this start page on startup.

Help contents, find more information about how to use ScopePhoto

www.spb812.com

Application Window

[Quick Index](#)
[Image Processing](#)
[Image Browse](#)
[DirectShow Capture](#)
[Twain Acquire](#)

Image Processing Menu

[File](#)
[Edit](#)
[View](#)
[Image](#)
[Process](#)
[Layer](#)
[Draw](#)
[Plugin](#)
[Options](#)
[Window](#)
[Help](#)

Tool Bar

[Image Window Toolbar](#)
[Draw Toolbar](#)
[Status Bar](#)

Tool Box

[Tool Box Operations Page](#)
[Tool Box Layer Page](#)
[Tool Box Draw Page](#)
[Draw Manager](#)

Image Capture

Techniques

[DirectShow Technique](#)

ScopePhoto 3.0

for Image Processing

Quick Index

This is a quick index of ScopePhoto application . This index is designed for those who wish to master the ScopePhoto operations in a short time.

<p>How to display the video from the video devices?</p>	<ol style="list-style-type: none"> 1.To get the video from Twain Acquire (its shortcuts are and on Image Window Toolbar). 2.To use DirectShow Capture Technique. Its shortcut is . 3. File->Import Image->DirectShow Capture.... 4. File->Import Image->Twain Acquire....
<p>How to define the Software Power ?</p>	<ol style="list-style-type: none"> 1.Display the video using DirectShow Capture Technique first. 2.According to Software Power Setup to define your own Software Power step by step.
<p>How to perform the measurement operation (we use term Draw in the</p>	<ol style="list-style-type: none"> 1.Define your own Software Power according to Software Power Setup, otherwise, the unit will be Pixel only for the captured image. 2.Select the right Software Power from list on DirectShow Capture Window Toolbar and let this Software Power equal to your real microscope objective lens power you are using to capture the image . 3.Capture an image using button on the DirectShow Capture Window Toolbar. 3.Make a new layer on the Background layer using Draw->New menu or Tool Box Layer Page. The Draw Toolbar and Draw menu will become active.

What can ScopePhoto do for you:

- [Open image file](#)
 - [D:\DCM200Image\DCM200_1.jpg](#)
 - [G:\ImageWithLayerInformation.sft](#)
- [Browse Folder](#)
- [Live Capture](#)
 - [ScopeTek DCM200](#)

ScopePhoto support address



Show this start page on startup.

www.spb812.com