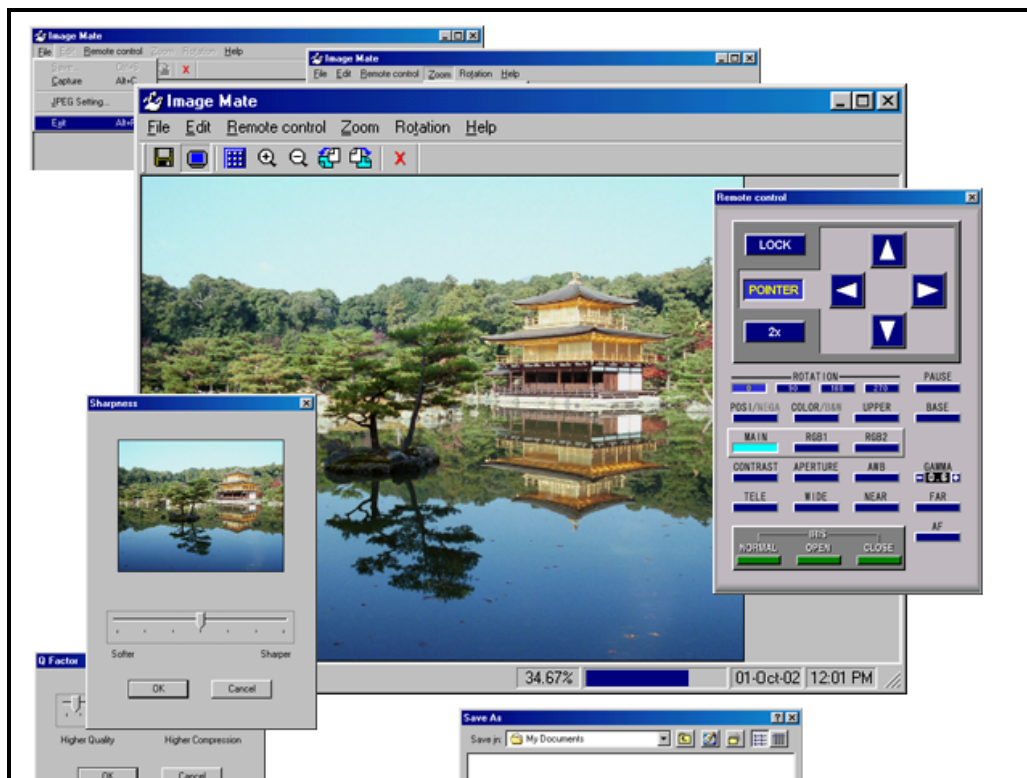


# Instruction Manual



**Image Mate™ for HV-800SX/8000SX/8500SX**  
**Version 1.0 for Windows 98/Me/2000/XP**

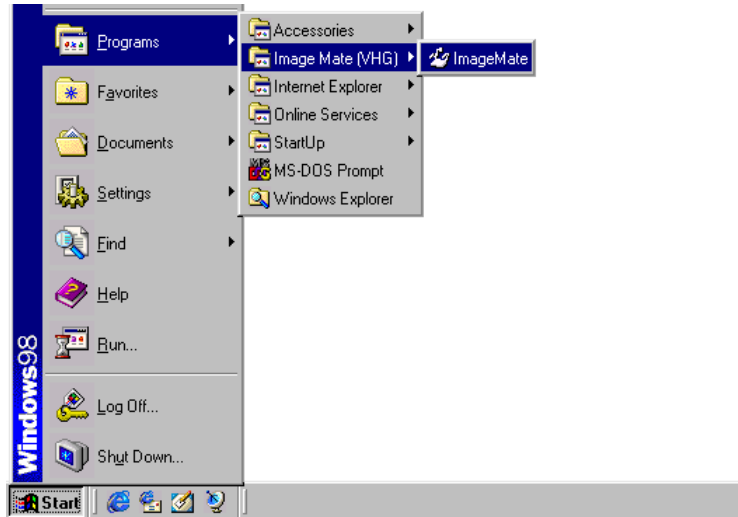
## Starting the application

### Preparation

Connect the [Visual Presenter] (the main unit) to the computer with the supplied USB cable and turn on the power switch of the main unit.

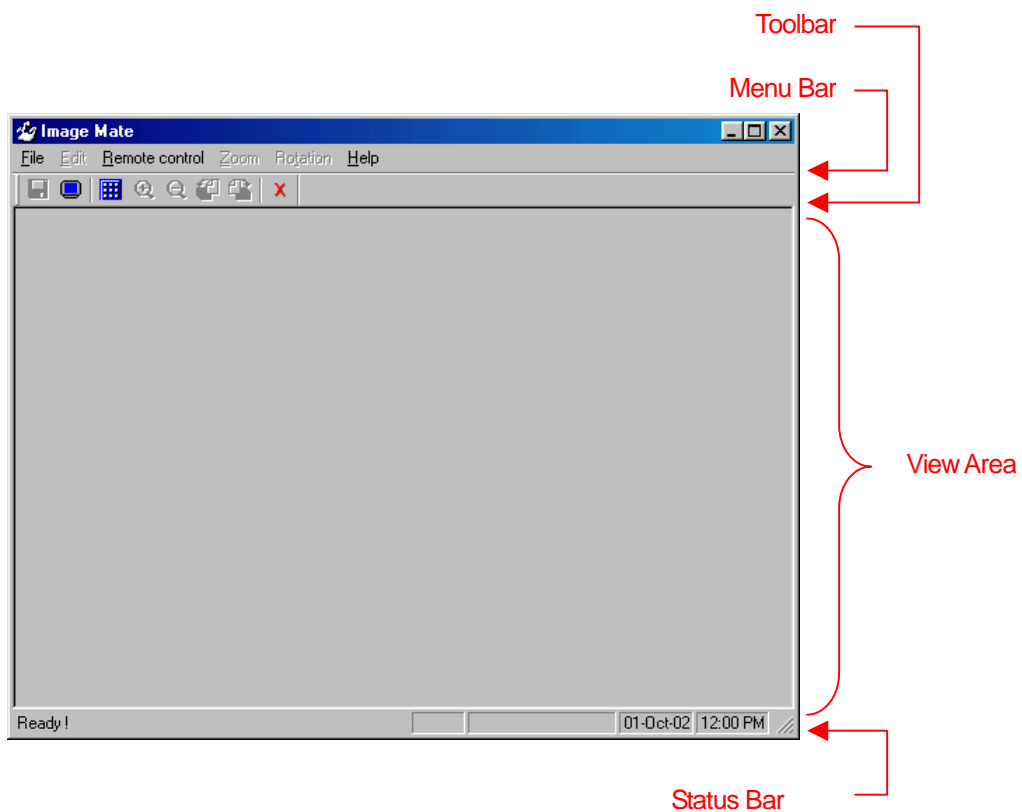
### Starting the application

Select [Programs], [Image Mate (VHG)] and [Image Mate] in the Start Menu of Windows.



### Main Window

When the application starts, the following Main Window appears.



## Menu Bar

File Edit Remote control Zoom Rotation Help

The Menu Bar contains all the functions to be used in the application. Some functions colored light gray indicate that they cannot be used currently.

### File

Save ...	Save the image displayed in the View Area as a file.
Capture	Capture a new image from the main unit.
JPEG Setting	Set the quality factor of the image when saved as a file in JPEG format.
Exit	Quit the Application.

### Edit

Sharpness...	Adjust the sharpness of the image displayed in the View Area.
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### Remote Control

Show the RC	Show the remote control.
Hide the RC	Hide the remote control.

### Zoom

Zoom In	Enlarge the image displayed in the View Area.
Zoom Out	Reduce the image displayed in the View Area.
Best Fit	Adjust the image to fit the window.
Actual Size	Adjust the image to its actual size (100%).

### Rotation

Rotate Left	Rotate the image displayed in the View Area 90 degrees to the left.
Rotate Right	Rotate the image displayed in the View Area 90 degrees to the right.

### Help

About Image Mate	Display the version and the copyright of the application.
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## Toolbar



The Toolbar contains the frequently used functions in the Menu Bar.



Save the image displayed in the View Area as a file.



Capture a new image from the main unit.



Show or Hide the remote control.



Enlarge the image displayed in the View Area.



Reduce the image displayed in the View Area.



Rotate the image displayed in the View Area 90 degrees to the left.

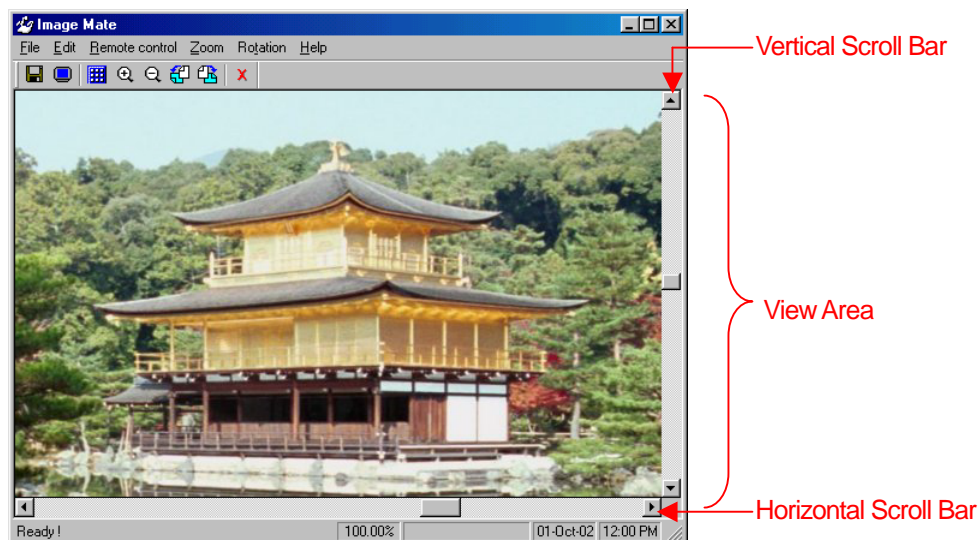


Rotate the image displayed in the View Area 90 degrees to the right.



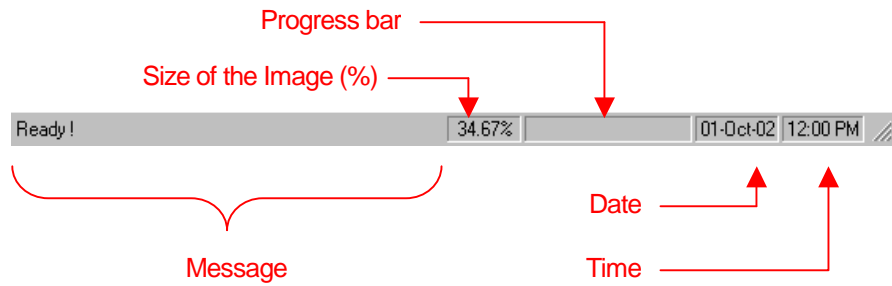
Exit the Application.

## View Area



The captured image is displayed in the View Area. If the captured image is larger than the View Area, the Horizontal Scroll Bar and the Vertical Scroll Bar appear automatically.

## Status Bar



The Status Bar contains the following: Message, Size of the image, Progress bar, Date and Time.

### Message

Displays the status of the application.

### Size of the image

Displays the %size of the image in the View Area.

### Progress Bar

Displays the progress in capturing a new image.

### Date

Displays the present date.

### Time

Displays the present time.

## Capturing a new image from the [Visual Presenter]

### Capturing a new image

This function can capture a new image from the camera of the [Visual Presenter].

In the SXGA mode, the captured image is 1280 pixels wide by 1024 pixels high. (When the image is rotated by 90 or 270 degrees, the captured image is 1024 pixels wide by 1280 pixels high.)

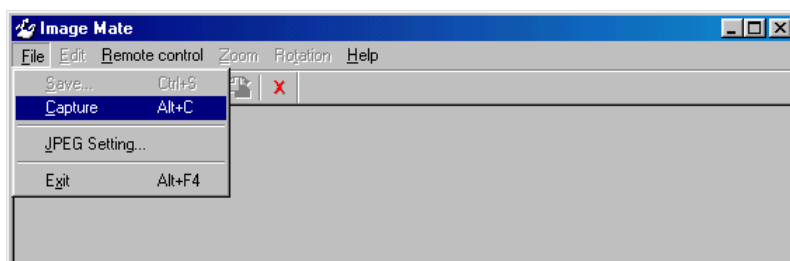
In the XGA mode, the captured image is 960 pixels wide by 768 pixels high. (When the image is rotated by 90 or 270 degrees, the captured image is 768 pixels wide by 960 pixels high.)

The menu and cursor will not be captured.

1. Check that the Status Bar says "Ready!"

When messages other than "Ready!" appear, a new image cannot be captured.

2. Select the  [Capture] button in the Toolbar or [File]-[Capture] in the Menu Bar.



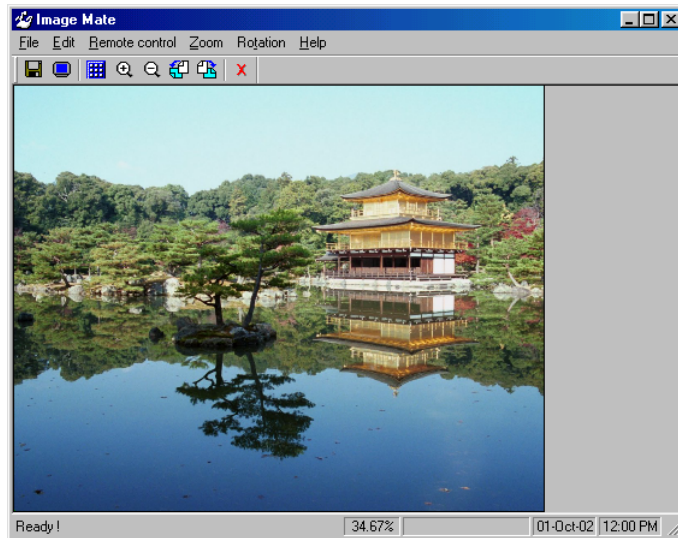
3. Capturing starts. The message "Busy!" is displayed in the Status Bar.

The progress bar indicates the status of capturing the image.



- \*\*\* While a new image is being captured, other functions cannot be used.
- \*\*\* Do not turn off the power of the [Visual Presenter] or disconnect the USB cable while a new image is being captured.
- \*\*\* A still image in the pause mode of the main camera will not be captured.

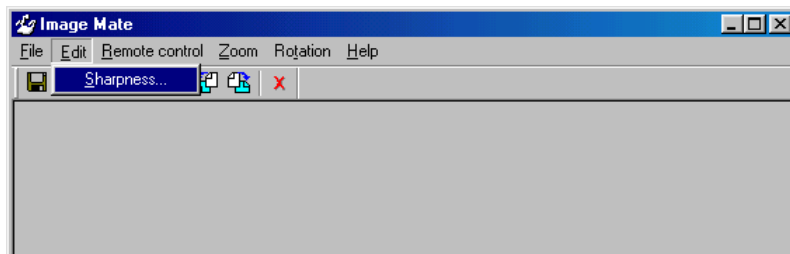
4. After capturing, the captured image will be displayed to fit the View Area.



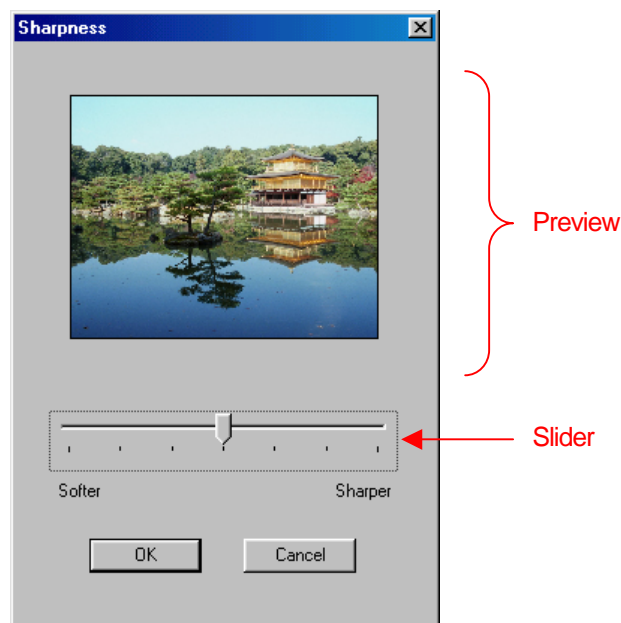
## Adjusting sharpness

This function can adjust the sharpness of the captured image.  
Adjusted sharpness is maintained until it is adjusted the next time.

1. Select [Edit]-[Sharpness...] in the Menu Bar.



2. The dialog "Sharpness" appears. Move the slider to the right to sharpen the image.  
Or, move the slider to the left to soften the image.




3. Click the [OK] button to apply the adjusted sharpness to the captured image in the View Area, or the [Cancel] button to cancel it.



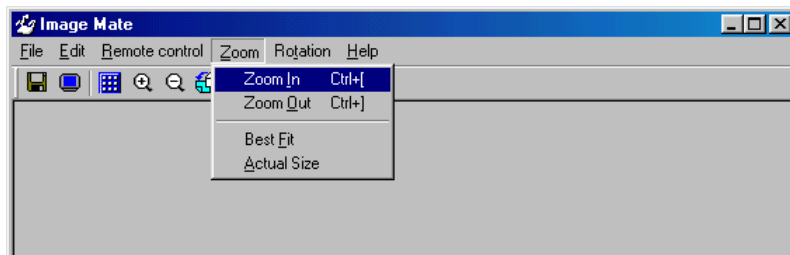
## Zooming in / out the image in the View Area

### Zooming in (enlarging) the image in the View Area

This function can zoom in (enlarge) the image in the View Area in increments of 10 %.

1. Select the  [Zoom in] button or [Zoom]-[Zoom In] in the Menu Bar.

When zooming in, the center of the picture remains fixed.

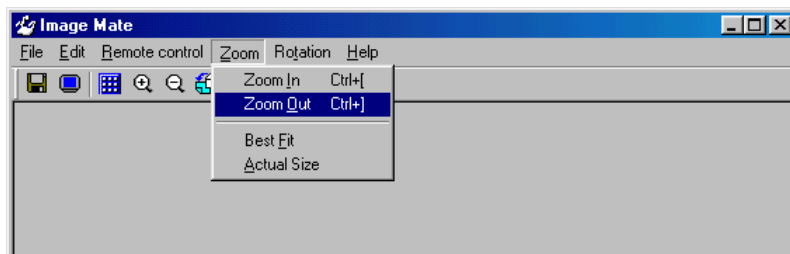


### Zooming out (reducing) the image in the View Area

This function can zoom out (reduce) the image in the View Area in decrements of 10 %. The minimum size of reduction is 10%.

1. Select the  [Zoom out] button in the Toolbar or [Zoom]-[Zoom Out] in the Menu Bar.

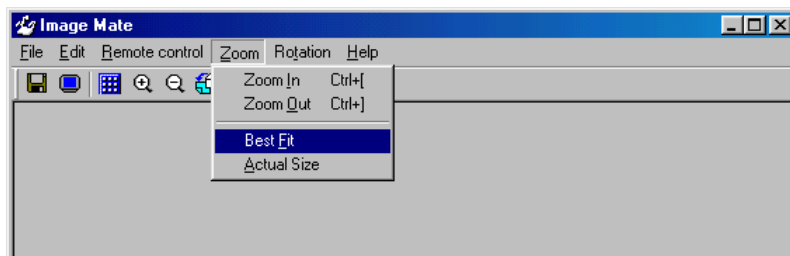
When zooming out, the center of the picture remains fixed.



### Adjusting the image in the View Area to fit the window

This function can adjust the captured image to fit the window.

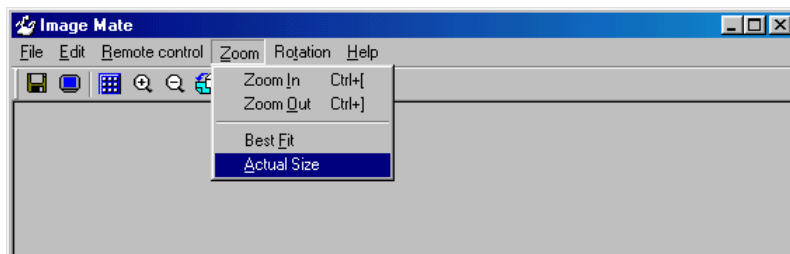
1. Select [Zoom]-[Best Fit] in the Menu Bar.



### Adjusting the image to its original size

This function can adjust the captured image to its original size (magnification level: 100%).

1. Select [Zoom]-[Actual Size] in the Menu Bar.

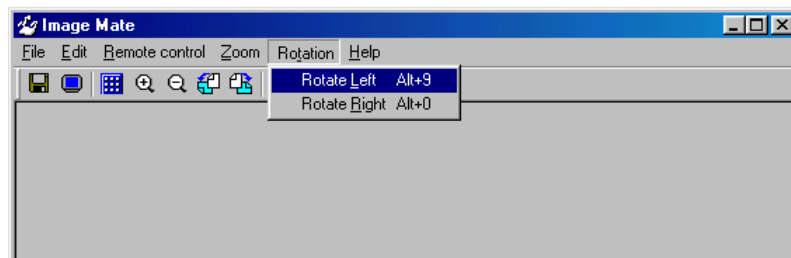


## Rotating the image in the View Area

### Rotating the image in the View Area 90 degrees to the left.

This function can rotate the captured image to the left.

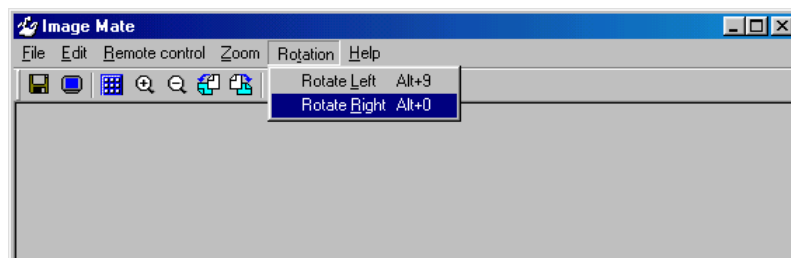
1. Select the  [Rotate Left] button in the Toolbar or [Rotation]-[Rotate Left] in the Menu Bar.



### Rotating the image in the View Area 90 degrees to the right.

This function can rotate the captured image to the right.

1. Select the  [Rotate Right] button in the Toolbar or [Rotation]-[Rotate Right] in the Menu Bar.

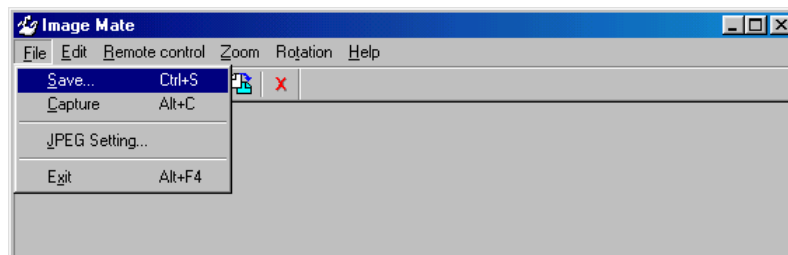


## Saving the image

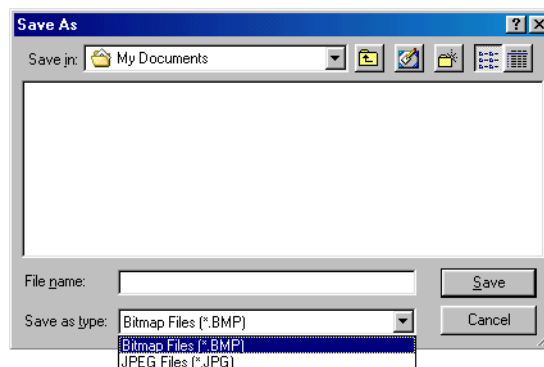
### Saving the image

This function can save the captured image as a file either in Bitmap or JPEG format.

1. Select the  [Save] button in the Toolbar or [File]-[Save ...] in the Menu Bar.



2. The dialog "Save As" appears. Determine the location you want to save the file and its name. Then, choose the type of the file either Bitmap or JPEG in the [Save as type] box.



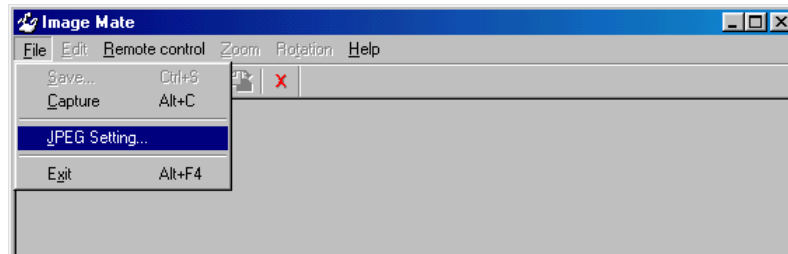
Click the [Save] button to save as a file or the [Cancel] button to cancel it.

### Setting the JPEG compression rate

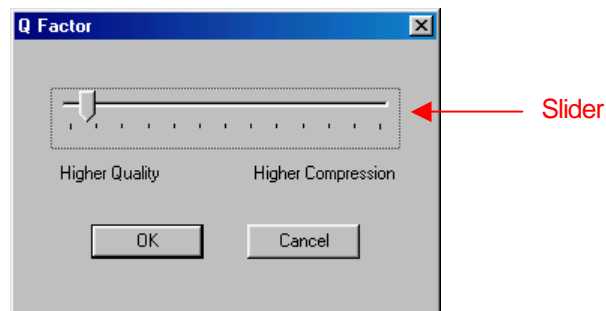
This function can change the JPEG compression rate (Q factor) to determine the quality of the image to be saved as a file.

The adjusted compression rate is maintained until it is adjusted the next time.

1. Select [File]-[JPEG Setting ...] in the Menu Bar.



2. The dialog "Q Factor" appears. Move the slider to [Higher Quality] to save the image at higher quality. (Please note the size of the file gets larger.) Or, move the slider to [Higher Compression] to save the image as a smaller file. (Please note the quality of the image gets worse.)




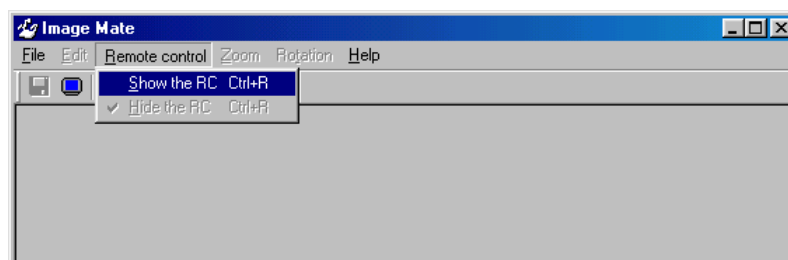
3. Click the [OK] button to have the newly adjusted Q factor applied, or the [Cancel] button to cancel it.

## Remote Control

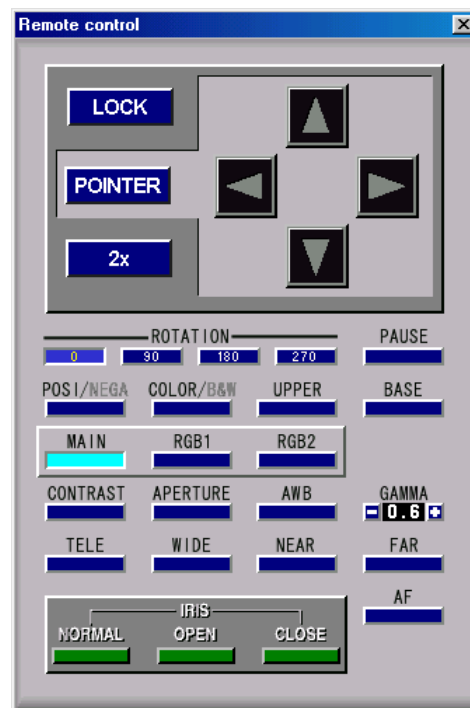
### Displaying the remote controller

The [Visual Presenter] can be controlled from within the application via the remote controller.

1. Check that the Status Bar says "Ready!".  
When messages other than "Ready!" appear, it is not possible to display the remote controller.
2. Select the  [Show/Hide the RC] button in the Toolbar or [Remote control]-[Show the RC] in the Menu Bar.



3. The remote controller appears.



\*\*\* Operation from the main unit will have no effect upon the remote controller while it is displayed.

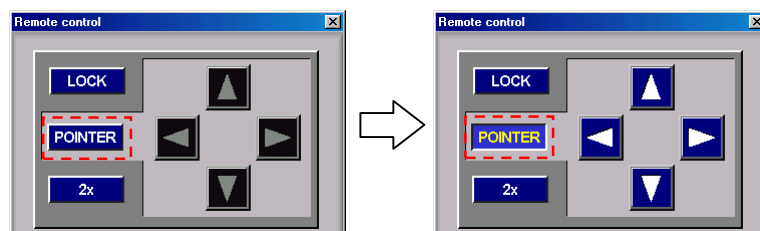
## Controlling the [Visual Presenter] by the remote controller

[LOCK] button



Click on the [LOCK] button (press it down), then all controls in the main unit will become ineffective. Click on the [LOCK] button again to release. (The button will appear up.)

[POINTER] button



Click on the [POINTER] button, then the arrows will become functionable.

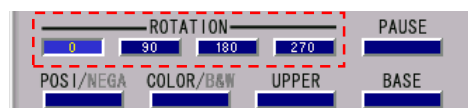
[2x] button



Click on the [2x] button to double the size of the image, showing only the central part of the image from the main camera. When the mouse pointer is displayed on the screen, the area with the mouse pointer as its center is enlarged, but only within the shooting area of the main camera.

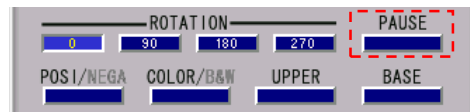
\*\*\* This application cannot capture the enlarged image.

ROTATION [0], [90], [180], [270] buttons



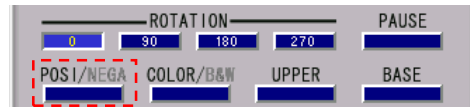
Click on the desired angle button to rotate the image from the main camera.

[PAUSE] button



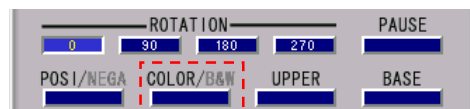
Click on the [PAUSE] button to freeze the image from the main camera.

[POS1/NEGA] button



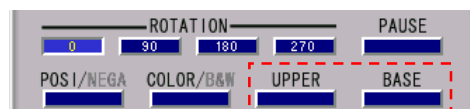
Click on the [POS1/NEGA] button to switch the image from the main camera from positive to negative, or negative to positive.

[COLOR/B&W] button



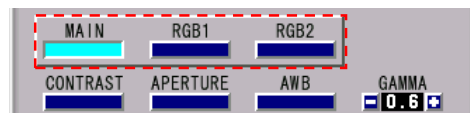
Click on the [COLOR/B&W] button to switch the image from the main camera from color to black and white, or black and white to color.

[UPPER], [BASE] buttons



Click on the [UPPER] or [BASE] button to turn ON/OFF the upper or base lighting units.

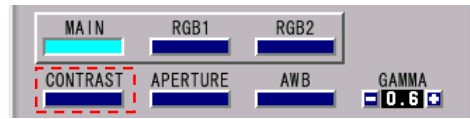
[MAIN], [RGB1], [RGB2] buttons



Click on the button that corresponds to the desired input source to change the signal received by the main unit.

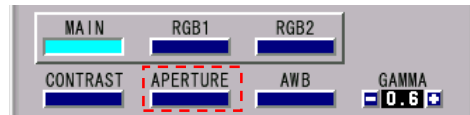


[CONTRAST] button



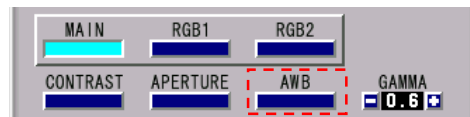
Click on the [CONTRAST] button to obtain the contrasty image from the main camera.

[APERTURE] button



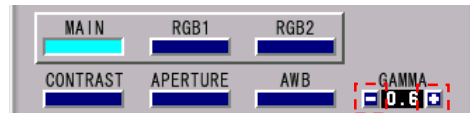
Click on the [APERTURE] button to switch ON/OFF the image enhancer (contour) of the main camera.

[AWB] button



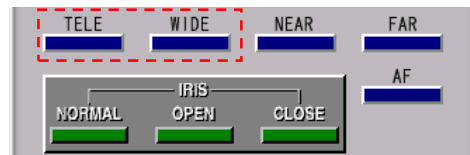
Click on the [AWB] button to execute one-push white balance of the main camera.

GAMMA [-], [+] buttons



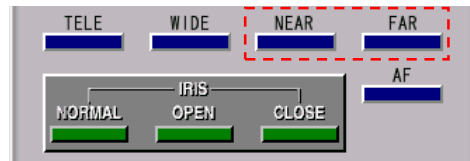
Click on the [-] or [+] button to decrease or increase the gamma setting value of the main camera.

[TELE], [WIDE] buttons



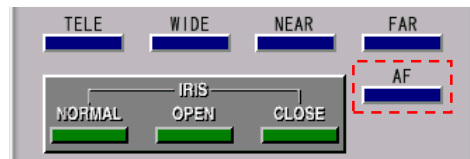
Click on the [TELE] or [WIDE] button to adjust the zoom of the lens.

[NEAR], [FAR] buttons



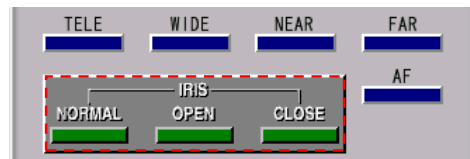
Click on the [NEAR] or [FAR] button to adjust the focus of the lens.

[AF] button



Click on the [AF] button to adjust the focus of the lens automatically.


IRIS [NORMAL], [OPEN], [CLOSE] buttons

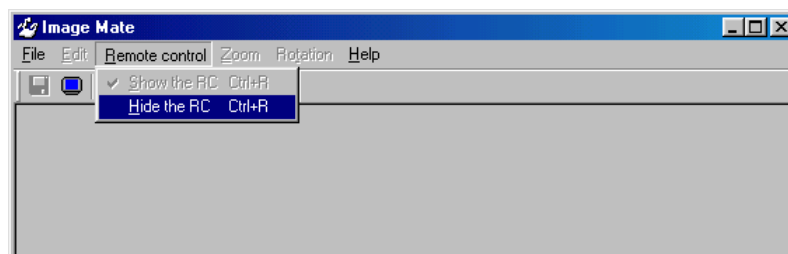


Click on the [OPEN] or [CLOSE] button to adjust the auto iris level of the lens.  
Click on the [NORMAL] button to resume the initial setting of the auto iris level.

### Hiding the remote control

Hide the remote control.

1. Select the  [Show/Hide the RC] button in the Toolbar or [Remote control]-[Hide the RC] in the Menu Bar.

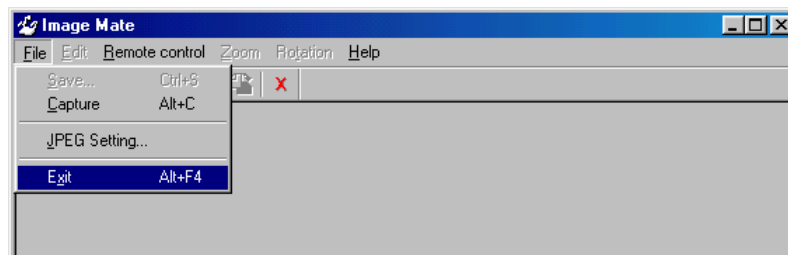


## Closing the application

### Closing the application

Please save the captured image before closing the application.

1. Select the  [Exit] button in the Toolbar or [File]-[Exit] in the Menu Bar.



## When error message appears,

Error messages may appear due to various causes. The followings are the typical error messages and the solutions.

**Message: USB: Failed to transmit.**

**Cause:** The application cannot transmit the command to the main unit due to:

- 1) The device driver is not correctly installed in the personal computer.
  - 2) The USB cable is defective.
  - 3) The main unit is defective.
- etc ...

**Solution:** Check the personal computer, the USB cable or the main unit.

**Message: USB: Failed to receive.**

**Cause:** The application cannot receive data from the main unit due to:

- 1) The USB cable is defective
  - 2) The main unit is defective.
- etc ...

**Solution:** Check the USB cable and the main unit.

**Message: USB: Failed to capture the image.**

**Cause:** A communication error has occurred while capturing a new image from the main unit.

**Solution:** Check the main unit, then restart the main unit and Windows.

**Message: USB: Failed to communicate.**

**Cause:** Other than those above. The application cannot communicate with the main unit.

**Solution:** Check the main unit, then restart the main unit and Windows.

**Message: USB: Disconnected from the main unit.**

**Cause:** The power of the main unit was turned off or the USB cable was disconnected.

**Solution:** Check the main unit and the USB cable connection.

**Message: Memory size is insufficient for allocation.**

**Cause:** Memory to be allocated for the application is insufficient.

**Solution:** Close other programs that are not being used or delete unnecessary drivers.

**Message: Failed to save the image.**

**Cause:** An error has occurred when the image was being saved as a file.  
Or, the free space of the disk drive is insufficient.

**Solution:** Check the free space of the disk drive.

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**The sample screens shown in this instruction manual may not be the same as those you may see while using the application [Image Mate™ ].**