

Linky™

USB PC CAMERA



Videochatting, videoconferencing
Video, photo e-mail
USB simple connection



MANUAL



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Thank you very much for purchasing Linky.

This manual will help you become the expert on Linky.

Reading this manual thoroughly will help use Linky very much.

Please check the Adobe Acrobat 4.0 file in **Manual** folder of Linky installation CD for the things that are not mentioned in manual.

We promise to upgrade Linky program and manual, using Linky Homepage (<http://www.corelogic.co.kr>) and bundle software manufactures Homepage (<http://www.peopleandfuture.com> or <http://www.ohgogo.com>) continually. If there is any question or problem, please contact us in E-mail address below. We guarantee to answer as soon as possible.

And last, we thank you once again for purchasing our product, and hope you enjoy the new taste of digital world with Linky.

⊙ Warning

Things to remember during installation

- Do not install it where it is humid or exposed to direct sunlight, or near heating device.
- Condition for best operation : 5 ~ 35°C, 30 ~ 80% RH Do not install it where it is dusty or watery (rain). Do not place near magnet or sound device like speaker.
- It will be bad for resolution or voice transmission. If product is dropped or gets shocked, it can be a cause for breakage.

Safety warning

Followings are to increase the lifetime of the product, to protect the safety of users and to prevent the damage on the product while using it. Please use the product after reading following matters carefully.

- Take the USB Cable off if Camera is not going to be used for a long time.
- Clean Camera and Lens with soft cloth.
- Do not sprinkle water directly, or clean with benzene, alcohol, etc.
- Do not touch Lens or clean with hands.
- Do not bend or pull USB Cable excessively.
- Do not turn the main body of Camera overly.
- They can be the causes for breakdown.
- Do not spill coffee or drinks on the product.
- Do not disassemble, fix or reassemble the product.
- If it needs to be fixed, ask at the purchased place or A/S center.

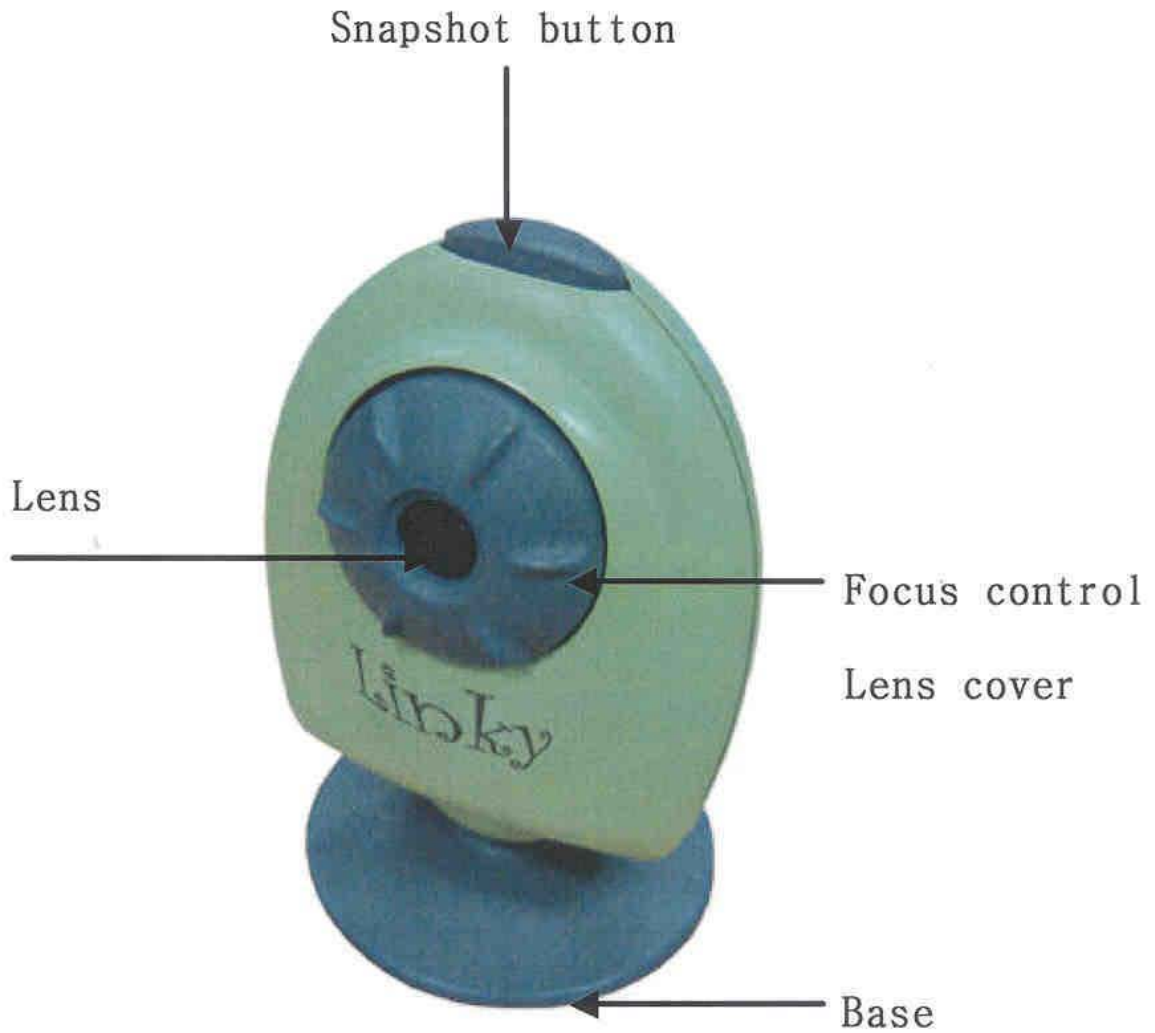
For any other questions, please visit CoreLogic Co., Ltd.'s and bundle program manufacturer's website.

CoreLogic Co., Ltd.: <http://www.corelogic.co.kr>

People & Future: <http://www.peopleandfuture.com> or <http://www.ohgogo.com>

You can download the program through the internet for upgrade or in case you lost your CD.

◎ Exterior and Functions of Product



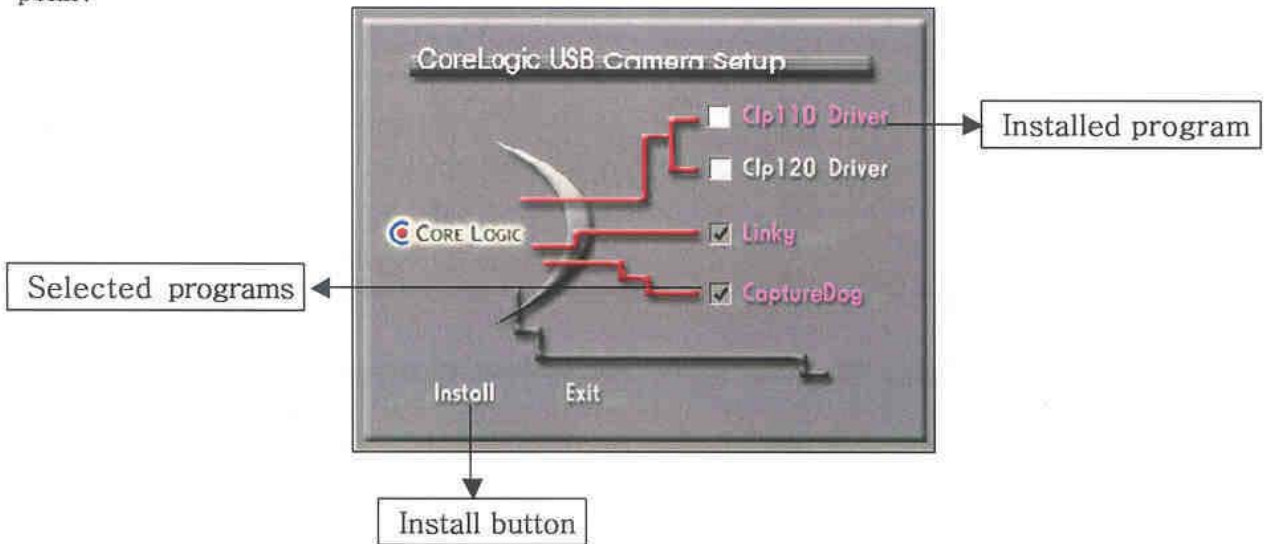
※ Warning

Do not turn the Focus Adjustment Handle overly.
(Focus adjustment may be impossible).

◎ Auto Installation of Driver and Application Program

When starting PC with Linky Installation CD in CD-ROM, following pictures of installati

- When installing driver, you can install internet sticker program CaptureDog. Selected programs will show V mark as shown in picture.
- If driver and application programs are installed, each menu will be appeared in pink.

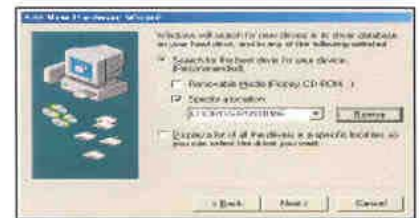


- It will be installed automatically by pushing Install button.

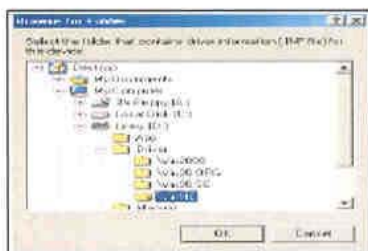
Ⓞ Manual Installation of Windows98, 98/SE, WindowsMe



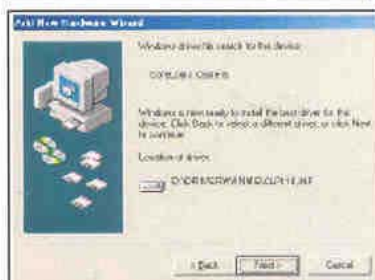
- When placing Camera at USB port, New Hardware Add Wizard will start like shown in left screen.
- Select Driver Location Select (Advanced) (S), and push Next button.



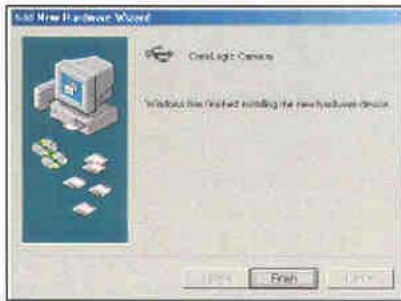
- Select Location Select (L), push Search (R) button.



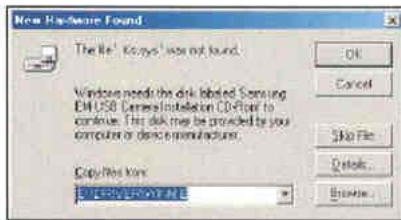
- When Folder Search Screen appears, select DRIVER folder of CD-ROM, and select appropriate folder for your PC.



- Push Confirm button, and continue installation.
- Device that driver is looking for will appear to be CoreLogic Camera.
- Push Next button, and continue installation.

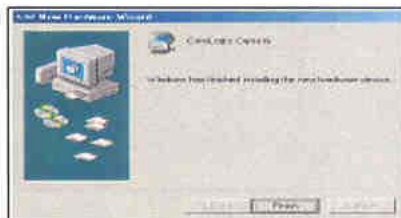


- When Box, saying 'New Hardware Device Installation is finished', appears like shown in left screen, push End Button.
- Now, first level hardware installation is finished.



- If 'File can not be found' message appear during file copy, insert original Windows CD.

- If you do not have original Windows CD, select C:\Windows\Options\Cabs or C:\Windows\Options\Install folder. If there are not these folders, insert Windows CD. If you do not have Windows CD either, select DRIVER folder from Linky installation CD and select appropriate folder for your PC.



- When screen on left appear, installation is ended.

Manual Installation of Windows 2000

When Camera is placed before driver is installed (automatic installation)

- Push Cancel button in starting screen of New Hardware Search Wizard. Place Linky Installation CD and install driver automatically.

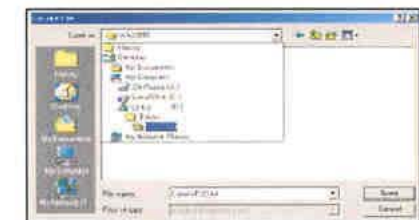


- Reboot Windows or place Camera again.
- When Digital signing screen appears, push Yes button.
- Rest of the installation will be done automatically.



When Camera is placed before driver is installed (manual installation)

- Push Next button in starting screen of New Hardware Search Wizard.
- Select appropriate driver search (recommend), and push Next button.
- Select Select Location from Driver File Search, and push Next button.
- When Location screen of Manufacturer's File to copy appears, insert Linky Installation CD and push Search button.
- Push searching location to select Linky CD, and select Driver folder among searched folders.



- Select Win2000 folder among searched folder, and push Open button.



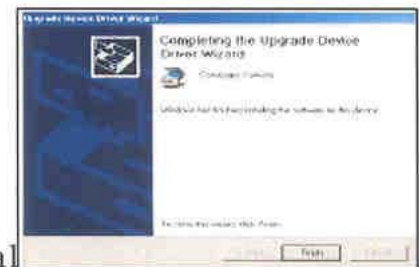
- When Location screen of Manufacturer's File to copy appears, push Confirm button.



- When driver file search result appears on screen, push Next button.



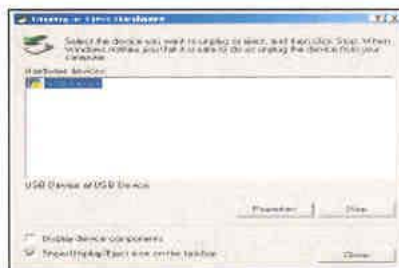
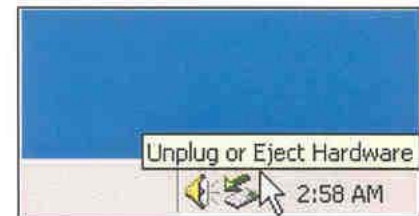
- When Digital signing screen appears, push Yes button.



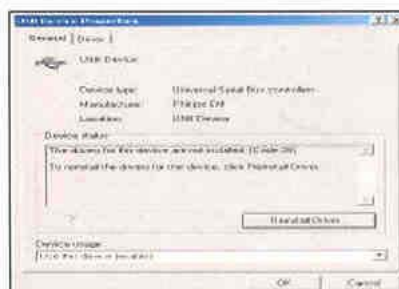
- When New Hardware Search Wizard End screen appears, push End button. Camera Installation is finished.

When Camera is placed and canceled before driver is installed

- When pushing Cancel button from New Hardware Search Wizard Start screen, Hardware Separation or Takingout icon will appear on bottom right like shown on screen.
- Double-click this icon, and Hardware Separation or Taking out screen will appear.



- If you want to remove wrong device and to start over again, select device (USB Device), and push Stop button.
- If you want automatic installation, push Close button and insert Linky Installation CD.
- See the Automatic Installation page front.



- If you want manual installation, push Registered Information from above screen.
- Push Driver Reinstallation button from USB Device Registered Information screen.

- Push Next button, when Driver Upgrade Wizard Start screen appears.
- Rest of installation is same as When Camera is placed before driver is installed (manual installation) page front.

⊙ Uninstall Program and Driver

Uninstall Program (Using Uninstall Icon)

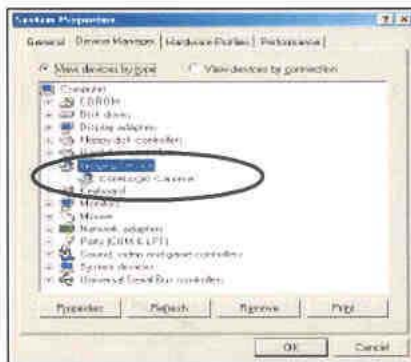
- Following screen will appear, when pushing Start button from Windows -> Programs ->CoreLogic ->Uninstall CoreLogic icon.



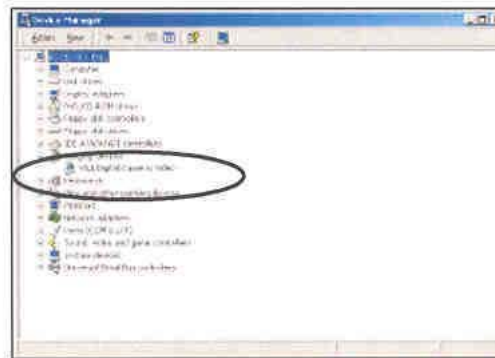
- Select program you want to uninstall.
- When pushing Next button, V marked programs will be uninstalled.
- When driver is uninstalled, open the Program Manager and remove the CoreLogic Camera below the image device.

Uninstall Program (Using Program Add/Delete from Control Panel)

- Can uninstall from Program Add/Delete from Control Panel.
- Select Linky Software Install and push Add/Delete button. Then proceed like shown above.
- When driver is uninstalled, open the Program Manager and remove the CoreLogic Camera below the image device.




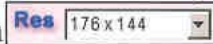
Windows98,SE,ME



Windows2000

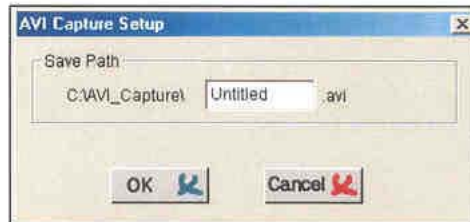
- We recommend that you select appropriate folder for your Windows among DRIVER folder from Linky Installation CD .


3. Buttons for Linky

Linky View Window: It is a window that shows the Camera image in Linky. Size of View Window is adjusted automatically to the size selected in  Video Format or push  button

State Indication Window: Indicates operation state of Linky.

REC AVI Capture Start: When pushing button, it can be stored in AVI, and following box will appear.



- Basically, it will be stored as Untitled, and can be changed to wanted file name.
- Selected file will be used for AVI file play or MPEG compressing by default.
- It will be stored in C:\WAVI_Capture folder, after pushing OK button.
- During AVI Capturing, AVI Capturing-- Recording time:00sec. will appear in State Indication Window.
- Push  Capturing Stop button to stop AVI Capture. At this time, State Indication Window will show Ready.



AVI Capturing

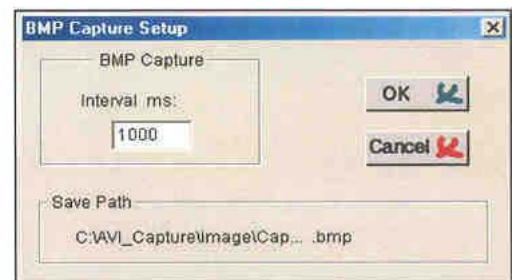


Capturing Stopped

Stop Capturing Stop : It finishes AVI file capture or Bitmap capture.

BMP Capture Bitmap Capture Start : It captures stopped images continuously.

- As pushing the button, box shown above will appear.
- Time Interval selects capturing time interval (1sec=1000ms).
- Bitmap capturing-- Frame0 will be shown in State Indication Window.



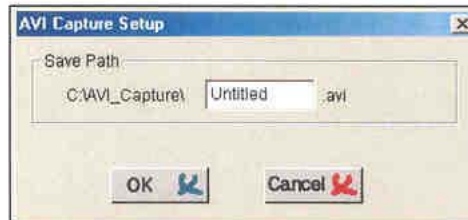
- Finish capturing by pushing Capturing Stop button. At this time, State Indication Window will show Ready.

3. Buttons for Linky

Linky View Window: It is a window that shows the Camera image in Linky. Size of View Window is adjusted automatically to the size selected in Video Format or push **Res** 176x144 button

State Indication Window: Indicates operation state of Linky.

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- Basically, it will be stored as Untitled, and can be changed to wanted file name.
- Selected file will be used for AVI file play or MPEG compressing by default.
- It will be stored in C:\WAVI_Capture folder, after pushing OK button.
- During AVI Capturing, AVI Capturing-- Recording time:00sec. will appear in State Indication Window.
- Push **Stop** Capturing Stop button to stop AVI Capture. At this time, State Indication Window will show Ready.



AVI Capturing

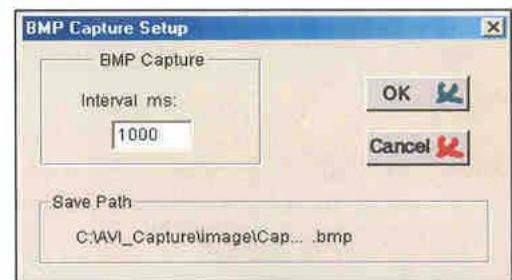


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- Finish capturing by pushing Capturing Stop button. At this time, State Indication Window will show Ready.

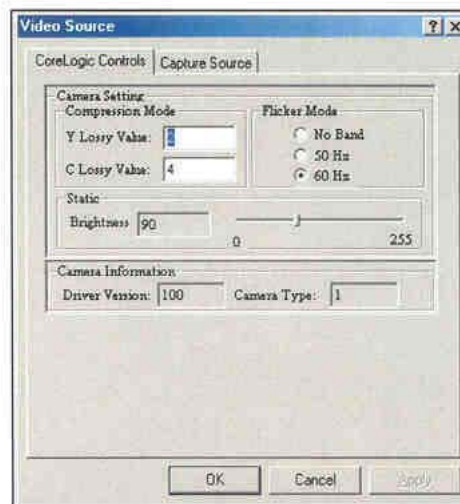
Viewer Playing Linky Image: Activate Linky View Window.

- Activate Linky View Window, after MPEG compression or generating AVI file.

 **Video Format:** This button selects resolution of Linky View and number of bits a nd compression percentage per pixel.

- Resolution has effect not only on size of View Window, but also on storing file during capturing.
- Higher the resolution is, larger the file size becomes.


 **Video Source:** It adjusts quality of screen/screen/Camera of Linky View. Following screen will appear as pushing this button.



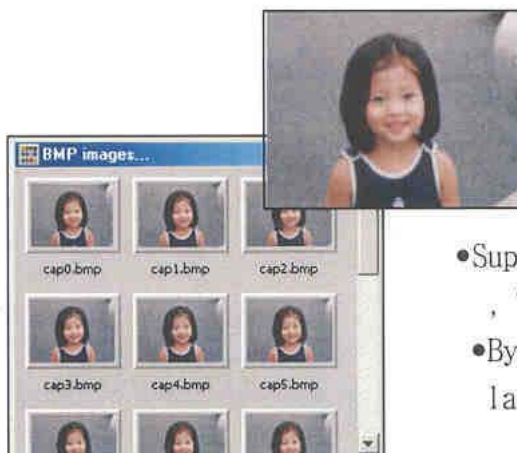
- Lowering the sending speed will make quality of screen better, but slow down the screen.

 **Playing Captured AVI:** It plays captured AVI file with button.

- It shows the last stored AVI since starting Linky.


 **Watching Captured Bitmap:** It shows captured BMP file with button.


Following View screen will appear, as pushing this button.



- By clicking the image, it can be stored in many different image types.

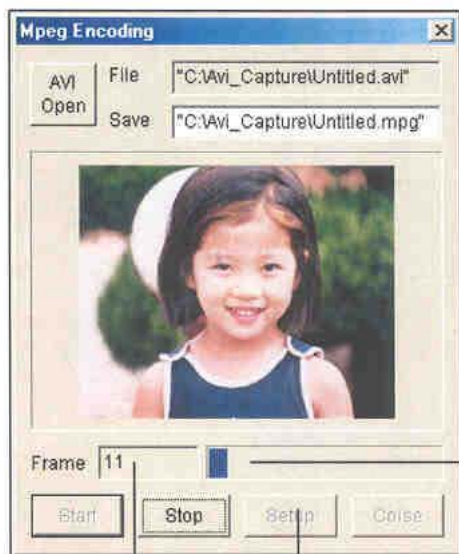
- Supported types are JPG, BMP, PCX, PCT, PSD, PNG, TGA, TIF, etc.
- By clicking the image with Shift key pressed down, enlarged image can be seen.

 **Captured Image Delete:** It deletes captured image file. Assuring question will be asked when clicking. Click Delete button to delete stored file.

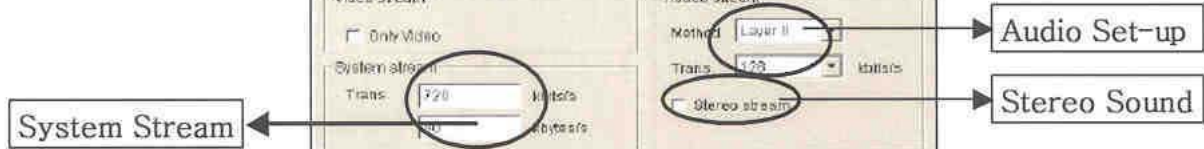
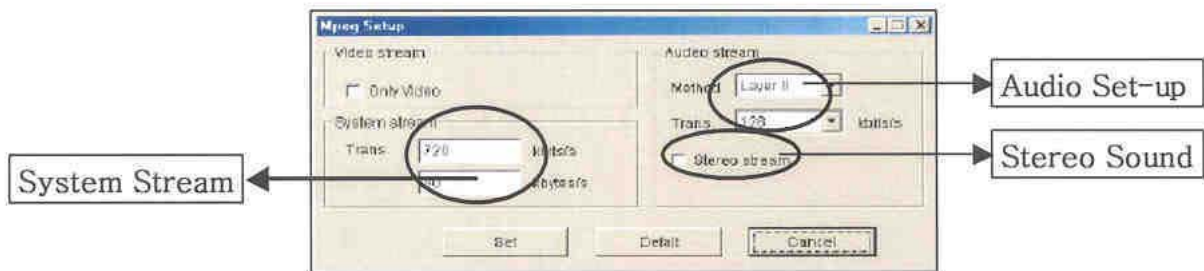
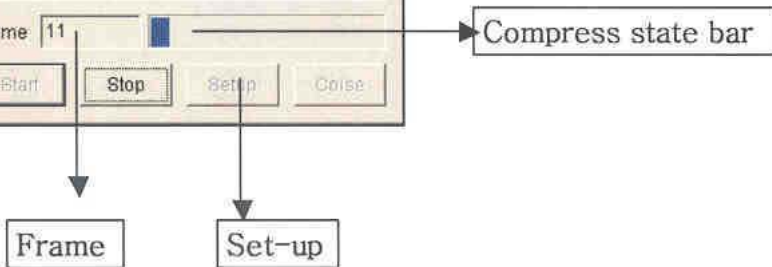
 **Exit:** It finishes current program.

 **CaptureDog Start:** It starts internet sticker program, CaptureDog.

MPEG Comp **MPEG Compression:** It compresses stored AVI file into MPEG type. Following screen will appear, as pushing this button.



- AVI Open: It opens separately stored AVI file.
- File: Opened AVI file name and path.
- Save: Saving MPEG file name and path
- Start: Starting MPEG compression.
- Stop: Stopping MPEG compression.
- Set-up: Compression set-up.
- Close: Closing the box.



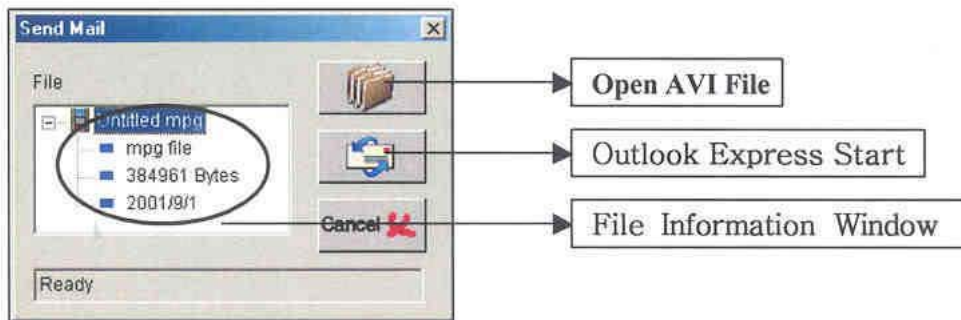
MPEG Set-up Screen

MPEG Play MPEG File Play

- Quality of screen and sound depends on MPEG compression set-up selected above.
- It plays compressed motion image by starting media player, provided by Windows, automatically.



Send Mail Sending Mail: It sends captured motion image and Bitmap file by attaching them to mail. Following screen will appear, as pushing this button.



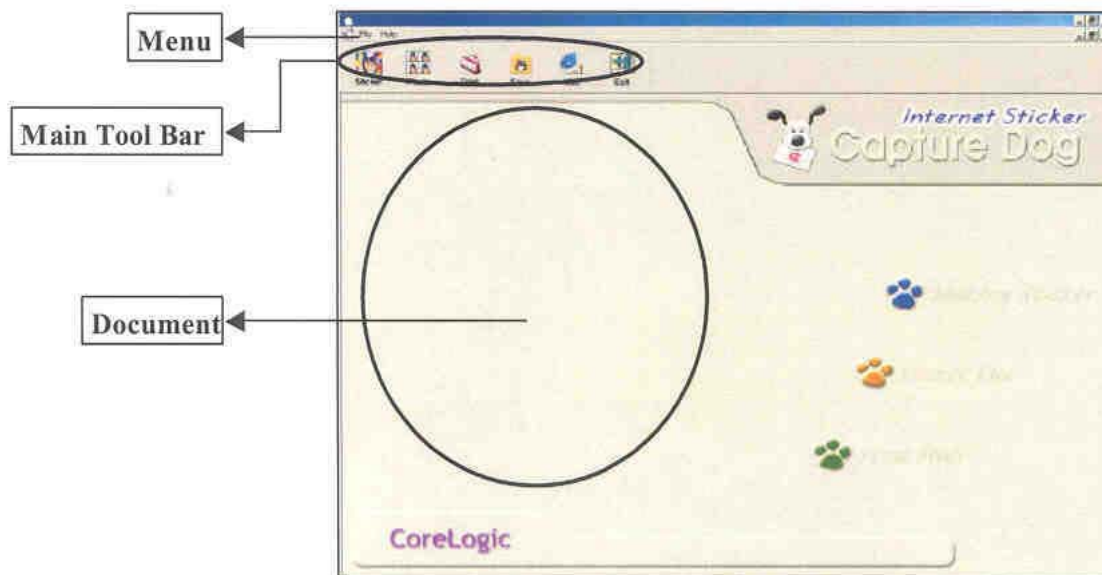
- File Information Window shows file type (MPEG, AVI, BMP, JPG), file size and created date.
- When sending big file, consider the receiving capacity of receiver's mail.

◎ Internet Sticker Program, CaptureDog

1. What is CaptureDog?

CaptureDog maximizes the Video Camera even more. Main functions are making picture frame shape sticker, making picture composite sticker using Alpha channel, making picture composite sticker using background picture, making picture for identification automatically, saving created sticker as file, sending created sticker during chatting or gaming in E-mail directly, etc. It can also be used for creating Homepage, report, letter, etc.

2. Structure of CaptureDog



3. Structure of File Menu

New: It deletes previous contents and make new document.

Video Camera Select

- See the manual provided by Camera manufacturer and start installation.
- Push Twain from File Menu.

- When Original Document Select screen comes up, select installed camera.



Print: It prints created picture.

Exit: It finishes CaptureDog, and goes back to Windows.

Help: It shows product information for CaptureDog.

4. Main Tool Bar



Sticker: It creates sticker.

- It creates sticker with captured images by using three different composing methods.



Picture for Identification: It creates picture for identification automatically.

- It creates picture for identification of captured image into various sizes.



Print: It prints out finished sticker.



Save File: It saves finished sticker or picture for identification in file.




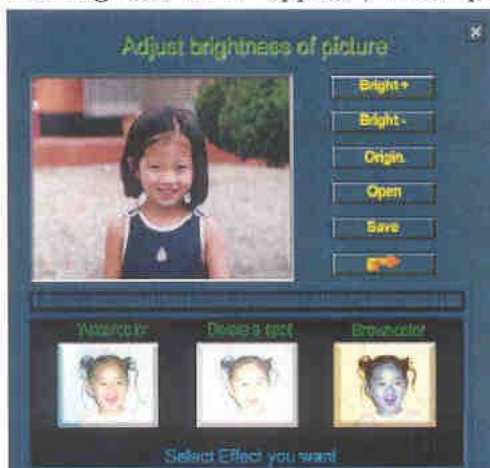
Mail: It sends the finished sticker or picture for identification by mail.



Exit: It finishes CaptureDog.

5. How to Create Picture Sticker

- Image of camera will appear, when  button is pushed.
- Following box will appear, when picture is captured.



Bright: It brightens the image.

Dark: It darkens the image.

Back to original: Original image appears.

Open image: It opens stored image.

Save image: It saves captured image.

 : Next stage appears.

- It adjusts brightness and darkness of image.
- Select effect that you want, among watercolor effect, speckle removing, and brown tone effect.

- Push button after work is done.



- Select the wanted menu among three menu (1.picture frame composition, 2. boundary line composition, 3. background picture composition). Then, create picture sticker according to following stages.

Picture Frame Composition

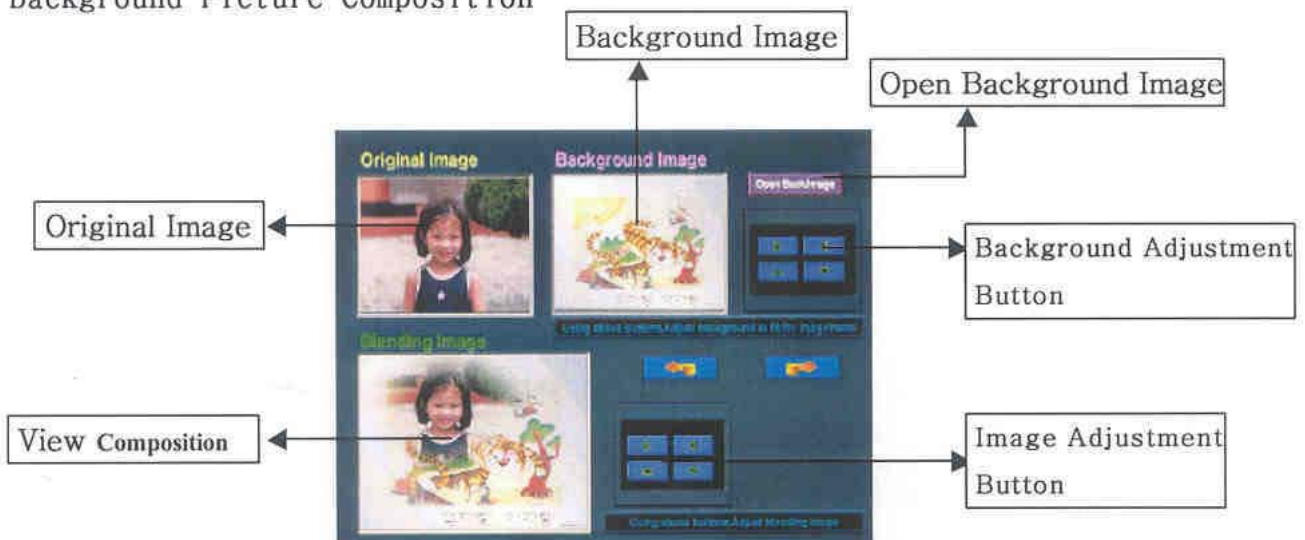
- Select Picture Frame you want to compose
- Push button after selecting.



Boundary Line Composition

- Select Boundary line shape and color you want to compose.
- Push button after selecting.

Background Picture Composition

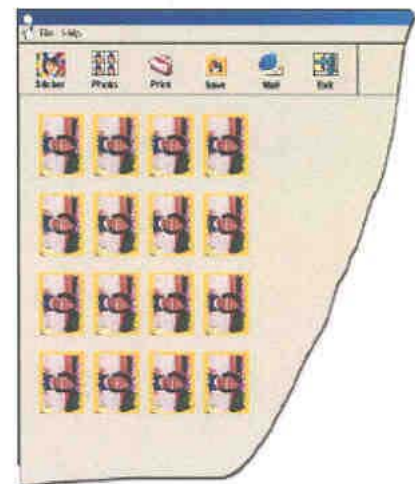


- After clicking Open Background Picture button, select folder and file that have background images.
- Adjust with Background Adjustment Button, so that background image fills up the frame.




- Move the location of picture with Image Adjustment Button, so that it looks well with background, and push Next button.

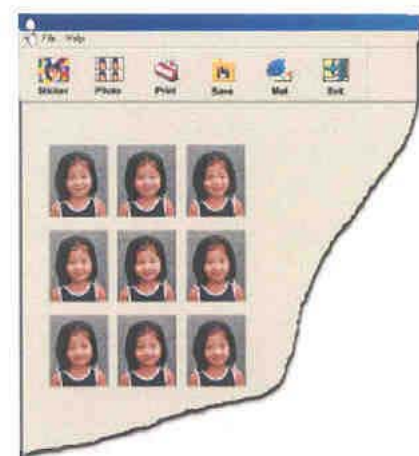
- After selecting the sticker size (2cut, 4cut, 8cut, 16cut), push Create Sticker button to finish.



- Push button to go  back to previous stage.

6. How to Make Picture for Identification


- After pushing  button, image of camera will appear.
- After capturing picture, following box will appear.



- Select the size of picture for identification from Picture Size Menu.


- Adjust the size of frame by pushing **Small/Large -/+** icon.
- Adjust frame, so that picture is in the middle by pushing **Location** arrow.
- Only selected part will be left after pushing **Cut** icon.
- Push **Original** to go back to previous state.
- Push **Confirm** to make picture for identification of document size.

7. Printing Picture for Identification and Sticker with Printer.

- Create Sticker or picture for identification first.
- Print box will appear as pushing  icon.
- After selecting printer type and number of prints, put paper for sticker and push **Confirm**.

※Remarks : Perform high resolution print by seeing printer manual for details.
 ※Warning : Always use A4 paper size. It will come out in A6.


8. Saving as File

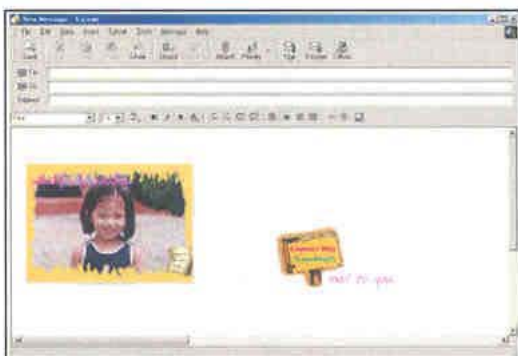
- Create Sticker or picture for identification first.
- Picture will come out as shown, as pushing  icon.
- Push **Confirm** and type folder and file name.

※ Saved files will be used for Homepage, report and other document.



9. Sending in E-Mail

- Create Sticker or picture for identification first.
- Paper with picture appears after pushing  icon.



- Type recipient's E-Mail address at recipient.
- Type Heading and Body. Then push **Send** button to send.

•If above screen does not appear or error of 'Host can not be found' occurs, you must set-up the Outlook Express. See the Windows Manual or CaptureDog.pdf file form Manual folder of Linky Installation CD.

◎ Product Specification

Image Sensor & Lens	
Sensor	1/3" Color VGA CMOS Image Sensor
Pixel	CLP 110 : 640(H) x 480(V) CLP 120 : 352(H) x 288(V)
Focus	30mm ~ ∞
Exposure	Automatic
Min. Illumination	5 lux
Lens	CLP 110 : F 2.4, f=5.58 CLP 120 : F 2.4, f=4.30
Angle	CLP 110 : 64.5°, CLP 120 : 58.95°

Image Resolution	
Video Capture	VGA(CLP110only,15fps),CIF(30fps),QCIF(30fps)
Image Capture	Max.640x480

Image Control	
Light	Auto Integration Time Control
White Balance	Automatic
Output Signal	USB format
Power Supply / Consumption	DC 5V via USB cable
Dimension (mm)	50 x 71.5 x 48 (W x H x D)
Weight	105 g

Minimum System Requirement	
CPU	Pentium Processor 133MHz or higher
Cable Port	USB port
Memory	32MB(Recommending 64MB)
OS	Win 98, Win ME, Win 2000

- Upgrade Software through Website -

<http://www.corelogic.co.kr>

◎ Things to Check When There is a Problem

Condition	Answer
Transmitting speed is too slow	<ul style="list-style-type: none"> - It can be the low transmitting speed problem of currently using internet line. - Speed can get slowed down if system doesn't manage data properly. - Try again after closing other application programs.
Screen is too dark	<ul style="list-style-type: none"> - Brightness of screen can change with light amount of surrounding. - Adjust the backlight control, white balance and brightness from camera control panel. (See the manual for details).
Screen is not clear and blurs	<ul style="list-style-type: none"> - Adjust the focus of camera. Check the lens for dirt.
Screen looks strange during capturing still shot (Bad quality of screen, Noise)	<ul style="list-style-type: none"> - If frame speed of camera is too fast, quality of screen may become bad during capturing still shot. Control the frame speed from camera control panel. - Best frame speed during capturing the screen: 5frame
Bundle software can not be installed	<ul style="list-style-type: none"> - Check the using OS. Since it does not work in Win95, install Win98 or better.
It keeps saying 'Select the video device.'	<ul style="list-style-type: none"> - Camera is already used in other program. Close the other program and use.
Active system error: More than one factor keeps coming up.	<ul style="list-style-type: none"> - Other program is closed inappropriately after using camera. Reboot the PC and use.
PC Down	<ul style="list-style-type: none"> - Check the condition of USB cable connection. - PC can be down, when cable gets disconnected without closing image communication program. - Thus, do not disconnect the cable during using image communication program. If cable is disconnected, close the application program. Connect the cable and start the program again. - It happens when many programs are running at the same time. Reboot the PC.
There is a voice transmitting and receiving problem during image communication. Noise (0 ohm) is too big for conversation Voice of other people can not be heard	<ul style="list-style-type: none"> - Noise can be occurred according to the characteristics of your sound card and speaker. - Adjust the direction of speaker and microphone. - Turn up the volume of speaker and microphone. - Adjust the Audio Control for Communication (See the manual for details).

FCC RF INTERFERENCE STATEMENT

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the user authority to operate such equipment.

This device complies with part 15 of the FCC rules. Operator is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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