

# USB PC Camera

## FCC Compliance Statement

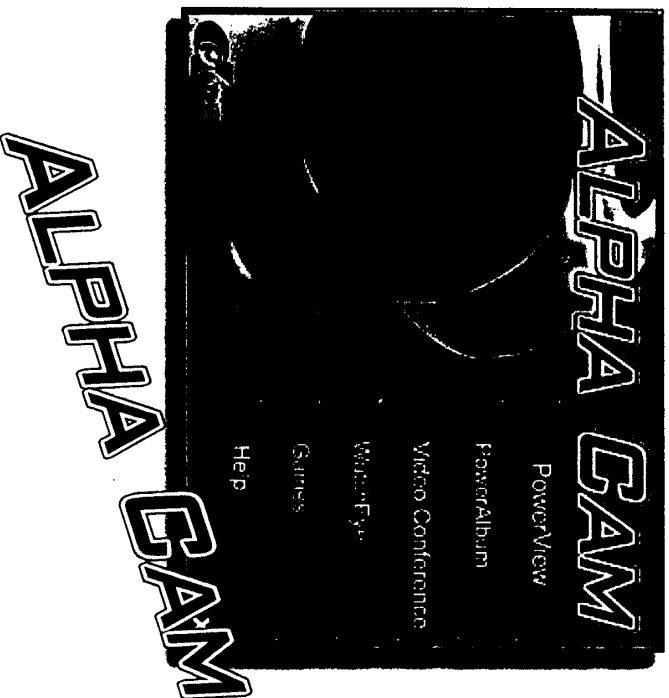
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 can 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 technician for help.

Warning: You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

NOTE: This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to insure compliance.



*User's Manual*

# AlphaCam

## Contents

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## MINIMUM SYSTEM REQUIREMENTS

- USB Port
- Pentium Processor 200MHz (MMX Recommended)
- 32M Memory (64M Recommended)
- Windows 98 / 2000
- 800 × 600 Resolution (1024 × 768 Resolution Recommended)
- CD-ROM
- LAN or 33.6k Modem
- Sound Blaster or Compatible Sound Blaster Card
- Speaker and Microphone

## PACKING CONTENTS

### 1. Hardware



PC Camera



Software CD



Users Manual

### 2. Software Applications

- USB PC Camera Shell
- PowerView
- NetMeeting
- PowerAlbum
- WatchEYE
- Game

## SOFTWARE INSTALLATION



CAUTION

Insert "INSTALLATION CD" into the CD-ROM drive BEFORE plugging in the camera if the camera was connected before software installation :

1. Click CANCEL on the 'ADD NEW HARDWARE WIZARD' window.
2. Disconnect the AlphaCAM from the USB port.
3. Continue software installation.



CAUTION

Check system requirements before continuing with installation.

1. Insert the software CD into the CD-Rom drive. Software will automatically begin setup. If the software does not automatically load,
  - \* Go to the task bar and click "START"
  - \* Select and click "RUN"
  - \* Type : "D:\ATUOPLAY.EXE" and press the "ENTER" key.  
(D : is the drive designated to the CD-ROM)
2. Please choose a destination location and click "NEXT"
3. Choose the English Version and click "NEXT"
4. Choose a name for the folder and click "NEXT"
5. Software installation is finished. Click "FINISH"

## HARDWARE INSTALLATION

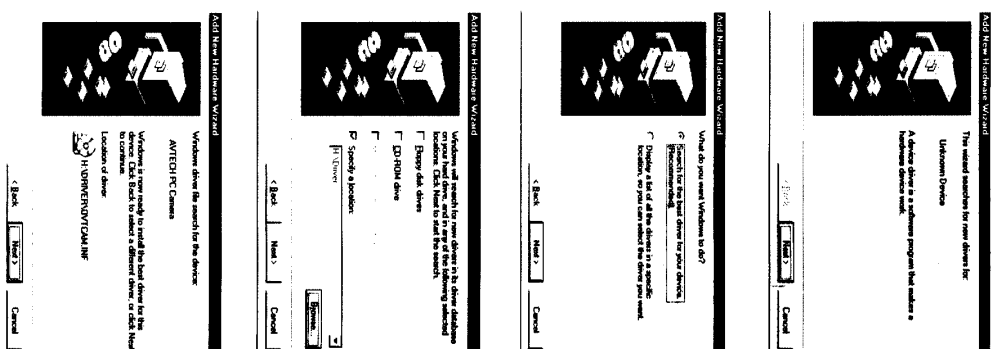
After software installation is completed, insert the camera into the USB port and the computer should automatically detect an unknown device. This will prompt 'Windows 98 install wizard' to appear on your screen and guide you through the installation process.

- 1) Plugging in the camera will prompt the install 'Wizard to show 'UNKNOWN DEVICE DETECTED' click 'NEXT'

- 2) "What do you want Windows to do?" It is best you choose what is "RECOMMENDED" and click "NEXT".

- 3) "Windows 98 will now search for the new drivers in its driver database". Select the box labeled "SPECIFY A LOCATION". Then

- 4) "Windows is now ready to install the best driver for this device" Click "NEXT" to continue installation.

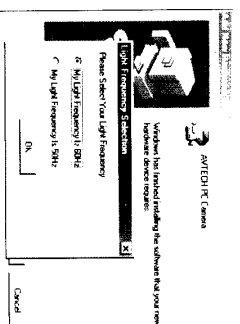


## HARDWARE INSTALLATION

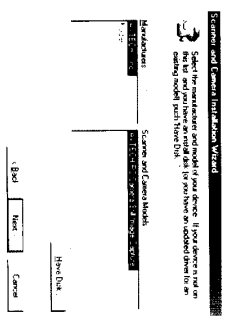
**NOTE :** In most cases, the proper Windows drivers will be detected by 'Windows 98 Installation Wizard'. Proceed with step 5. However, sometimes the proper Windows drivers are not detected by 'Windows 98 Installation Wizard'. If this happens.

- Insert "Windows 98 CD" onto the CD-ROM
- Choose D:\Win98 as the directory to search (D: is the drive designated to the CD-ROM)
- After Windows 98 driver installation is completed, you will be prompted to insert the AlphaCam CD.
- Insert the "AlphaCam CD" into the CD-ROM drive and Click "NEXT"
- Proceed With step 5 below.

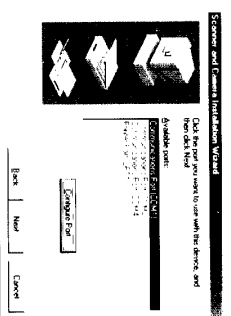
- 5) When prompted to choose a light frequency, Choose 60Hz and click "NEXT".



- 6) Scanner and Camera installation wizard window Will appear. Click "NEXT"

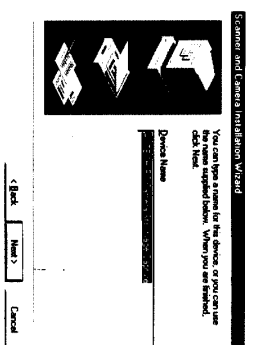


- 7) Choose a communication port and click "NEXT"

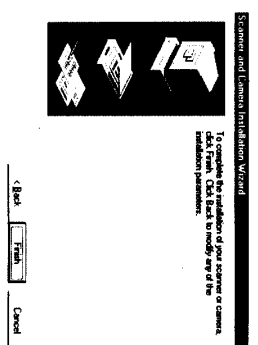


## HARDWARE INSTALLATION

- 8) Type a name for this device and click "NEXT"



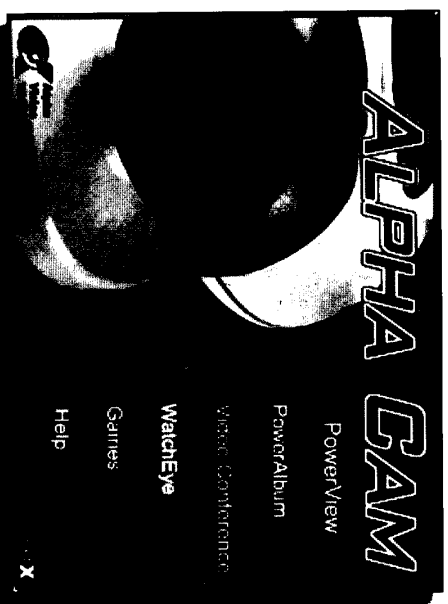
- 9) Upon successful installation, click "FINISH" to end.



- 10) You will need to restart the computer for the drivers to activate, Click "YES" to restart

## SHELL

After successfully installing the software, go to the start menu. Navigate your way to the AVTech menu bar and click on the menu "USB PC Camera Shell". This will prompt a green logo icon to appear on the lower-right-hand corner task bar. Click the Alpha icon and the "SHELL PROGRAM" will appear on your screen.

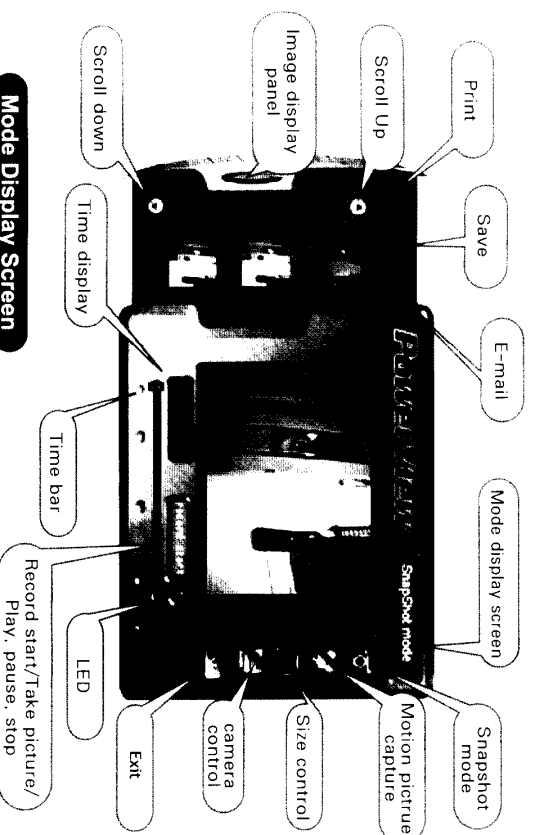


- \* **PowerView** : Record and e-mail still images and videos.
- \* **PowerAlbum** : Image editing program for creating photo albums and sticky pictures.
- \* **Video Conference** : Video conferencing program using Microsoft NetMeeting.
- \* **WatchEye** : Motion detection application.
- \* **Games** : Play interactive games using the camera.
- \* **Help** : Provides useful AlphaCAM information.

Click 'EXIT' at the lower right hand corner of the screen to exit the SHELL program.

## POWERVIEW

PowerView allows the users to view images and to catch still images and motion pictures. Users also can send Video mail using this PowerView.



### Mode Display Screen

Displays the active mode.

### Snapshot Mode

How to take a snapshot :

- \* Click on Snapshot Mode button to slide out the image display panel.
- \* Point the camera at the subject and click "RECORD START."
- \* Captured images will be placed on the image display panel.
- \* To view an image, double click on the image you wish to view.

### Size Control Mode

You can adjust window display sizes to the following.

160 × 120  
176 × 144  
320 × 240  
Full Screen

### Video Capture Mode

Captured videos are saved in AVI format. We recommend that you convert AVI files into MPEG files using the AVI 2MPG program.

## POWERVIEW

How to capture video :

- Click on Video Capture Mode to slide out the image display panel.
- Point the camera at the subject and click "RECORD START." Camera will start recording.
- To stop, click on "RECORD STOP."
- Video captured will be placed on the image display panel.

How to capture video :

- Double click on the video clip. Video should automatically display and start replay.
- To view the video again, click on "PLAY."
- Click "Pause" to pause the video.
- To exit video playback, click on "EXIT."

### Camera Control

Camera Control allows you to adjust the video, exposure, zoom, pan and tilt.

The functions of Camera Control are as follows:

1. Zoom Control : Users can control the zoom (in/out) with the control bar.
2. Exposure : Adjusts the amount of light that enters through the electronic iris.  
Increasing the value will allow a brighter image.
3. Pan \* : Allows the user to view left and right but currently not used.
4. Tilt \* : Allows the user view up and down but currently not used.

- \* : Enabled only when zoom control is set at 1 or 2

## POWERVIEW

Video Adjustment functions are as follows :

1. Brightness : Adjusts the brightness of the image. Increasing the value increases the brightness. By selecting "AUTO", brightness is automatically adjusted.
2. Contrast : Adjusts the dynamic range of the light that enters through the electronic iris. Increasing the value will increase the contrast between light and dark.
3. Saturation : Adjusts the color density on the screen. Higher color density is achieved by increasing the saturation.
4. Hue : Adjusts the color of the screen.
5. Sharpness : Increasing the value will increase the sharpness of the image.
6. White Balance : Adjusts the amount of white light that enters through the electronic iris.
7. Gamma : Adjusts the amount of light that enters through the camera. The smaller the value, the more light is used to compensate for the difference.

### LED

When taking Snapshot or recording video, LED will turn on.

### Video Playback Bar

During video playback, the bar indicates the time remaining of the playback.

### Time Space

Displays the running time of the video clip during video playback.

### Scroll Up/Scroll Down

Scrolls the image display panel up and down.

### Print

Prints a selected image. This function does not print video stills.

### Save

Saves captured image or video.

### E-Mail

Sends images and videos via E-Mail.

### Exit

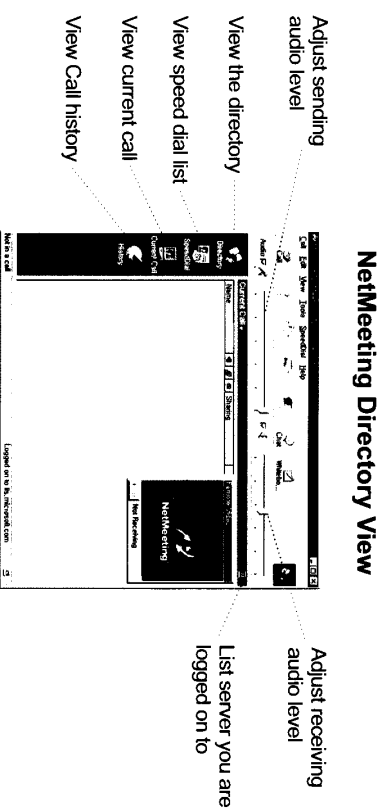
Quits PowerView.

## NETMEETING

Microsoft NetMeeting is a video-conferencing program supported by Windows 98. To make a video conferencing call, just connect to an internet service provider and open NetMeeting in the SHELL program.

### Starting NetMeeting

1. Connect to your internet service provider.
2. Open the SHELL program and click on the "INTERNET" icon. Then, click on "NETMEETING"
3. Follow the steps in Netmeeting SET-UP to adjust the settings for your computer.
4. Select a server to log the camera onto. If the selected server is down, try a different server.
5. Once connected, NetMeeting will display users connected to your server in the directory view.



6. While connected, find the name of the person you wish to video conference with and double click on their name.
7. To end a call, click "HANG UP."

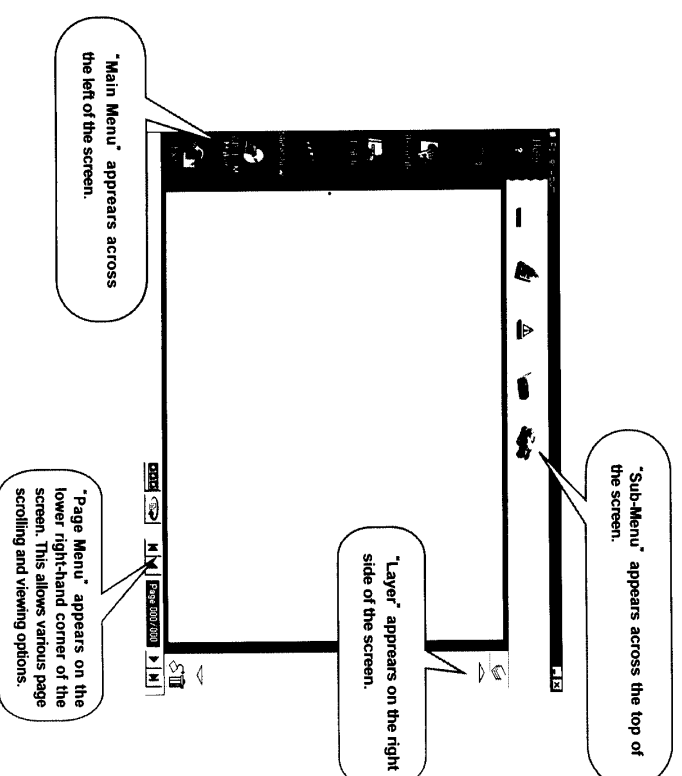
## POWER ALBUM

Create sticky pictures, photo albums, and greeting cards and more. Edit your photos and decorate your pictures with over 600 clipart images. When you're finished, record it all on CD With power Album's CD recording function. (CD recorder required)



NOTE

The AlphaCam software must be inserted into the CD-ROM to run Power Album.



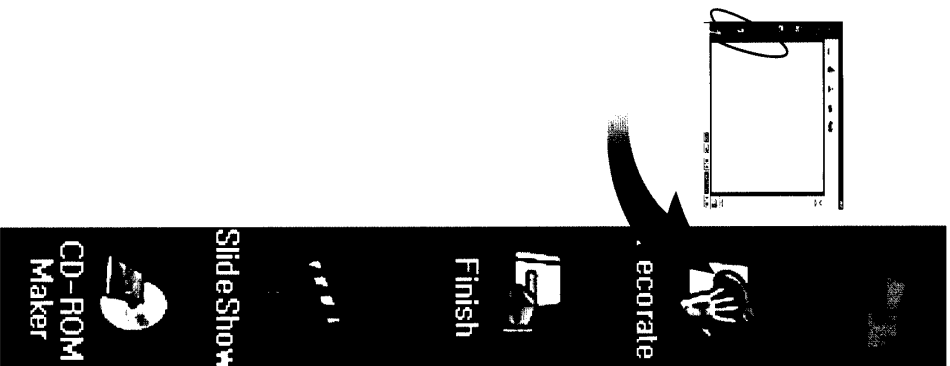
## POWER ALBUM

## POWER ALBUM

Main Screen

Main Menu

Sub-Menu



### MENU EXPLANATION

#### START

- 1 New Album : Create new photo album.
- 2 Open Album : Retrieve existing album.
- 3 Album Information : Allows the user to name, describe, and integrate background music onto the photo albums.
- 4 Image Scan : Scans and previews images.
- 5 Video Capture : Allows the user to capture images and videos.

#### DECORATE

- 1 Get Picture : Opens a saved image. Requires an album to be opened first.
- 2 Image Frame : Allows the user to decorate pictures with over 230 different frames.
- 3 ClipArt : By choosing one of the 6 themes, the user has access to over 400 images.
- 4 Recording : Allows the user to integrate voice and music into photo images/videos.
- 5 Text : Allows the user to input text and moving captions.

#### FINISH

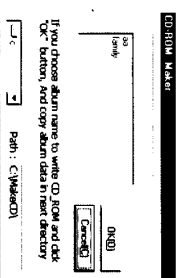
- 1 Save : Saves present work onto a selected device. Data saved can be retrieved through "OPEN ALBUM" under the "START" menu.
- 2 Save As : Saves present work as a different file name.
- 3 Put Picture : Allows the user to save images onto a different album.
- 4 Wall Paper : Replaces your windows wallpaper with the current image displayed.
- 5 Print : Allows the user to print sticky pictures.

#### SLIDE SHOW

- 1 Print : Allows the user to print pictures.
- 2 Automatic Show : Allows the user to view an entire album frame by frame without pressing a button.
- 3 Sound Play / Caption Play : "Sound play" allows the user to listen to recordings associated with the images / videos. "Caption play" displays scrolling text associated with the images / videos.
- 4 Return : Returns you in the "DECORATE" menu.

#### CD-ROM MAKER "Record albums onto CD-ROM"

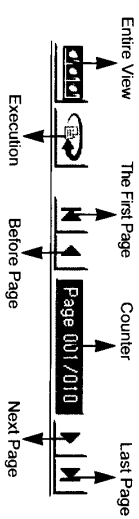
\*\* CD burner is required.



POWER ALBUM

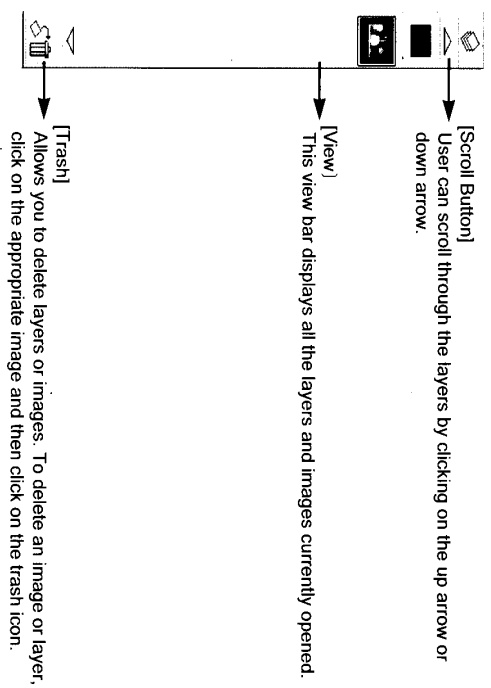
PAGE

The page menu is located at the lower right-hand corner of the screen. This menu bar displays various scrolling and viewing options.



- View All : Allows the user to view all the images that are currently being worked on. By using the cursor keys, the user can scroll around all the images.
- Full Screen : Displays one image onto the entire screen.
- First Page : Scrolls back to the first image of the album.
- Before Page : Scrolls back to the previous image.
- Counter : Shows the current page / total pages of the album.
- Next Page : Scrolls to the next image.
- Last Page : Scrolls to the last image of the album.

LAYER



WATCH EYE

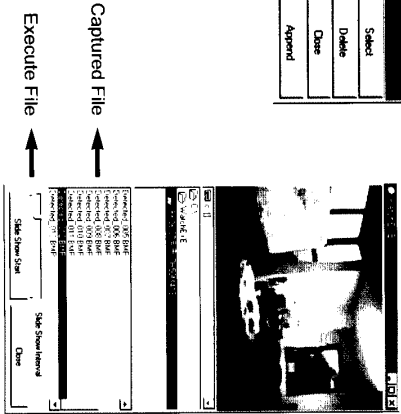
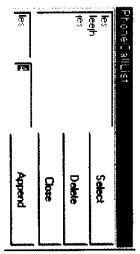
WatchEye allows the camera to function as a motion detection device while the user is away from the computer. By capturing 2 still images per second, images of the detected motion will be captured and saved onto the computer.

How to reserve the phone number is as follows:



To effectively use this feature, turn off the monitor.

Phone Call List



WatchEYE operation process:

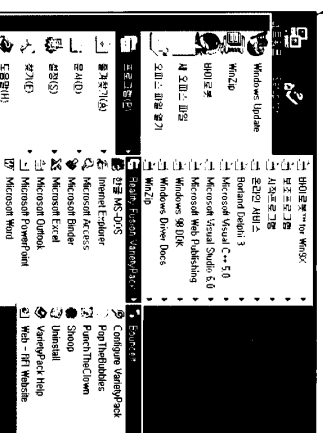
1. Designate a phone number to call when camera detects motion. This is done through the "Phone Call List" menu. Click on "START" button to begin WatchEYE.
2. After clicking the "START" button, WatchEYE will begin approximately 10 seconds afterwards. This allows the user to exit the proximity of the camera.
3. In the case that motion is detected, a call will be placed approximately 5 seconds afterwards.
4. In the case the line is busy, WatchEYE will attempt 5 consecutive connections. If the line is still busy, WatchEYE will wait a period of time before reconnecting.
5. The save still images can be viewed by clicking the "WATCH EYE VIEWER."



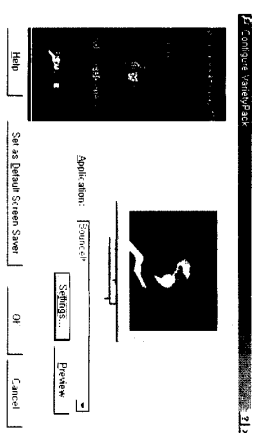
Please make sure your Computer has enough Hard Disk(HDD) storage space.

## Game

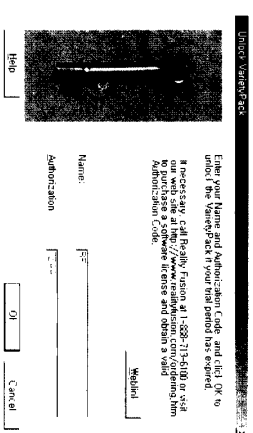
## Reality Fusion VarietyPack



You can enjoy server games using AlphaCAM USB PC Camera.  
After you installed the game software it will generate the Program  
Execution Path in the program manager.



In this menu you might choose the application first and please click the Preview as you see in the above window menu. Then it will generate the following menu box. In this box you must insert the Name Field and Autorization Field like below and then click the OK.



## 18

# Game

And then please select the Setting button to set the proper video resolution and other options for the game. Afterwards, you can enjoy games I.e., BounceIt, Pop The Bubbles, Punch The Clown, Shoop.

