



EZ Mega Cam USB

User Manual

FCC STATEMENT

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. If not installed and used in accordance with the instructions, it 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 on and off, the user is encouraged to try to correct the interference by one or more of the following suggestions:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to a different power outlet other than the one where the receiver is connected.
- Consult a certified television or radio technician.

CAUTION

To comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules, this device must only be installed on computer equipment certified to comply with the Class B limits.

WARRANTY

In no event will Ezonics Corporation be liable for direct, special, incidental or consequential damages arising out of the use or inability to use this product or documentation even if advised of the possibility of such damages. In particular, Ezonics Corporation shall not have liability for any hardware, software or data stored or used with the product including any costs of repairing, replacing or recovering such hardware, software or data. Product names mentioned in this user guide are trademarks of their respective companies.

The limited warranty period should appear on your warranty card. If not, contact your retailer for any information about the limited warranty.

The warranty does not apply nor is exclusive to:

- The damages or problems resulting from misuse, abuse, accident, alteration or incorrect electrical current or voltage.
- Any product without serial number or shipped without its warranty card.
- Any costs for shipping and handling the product to Ezonics for warranty purposes.
- Normal wear and tear.
- Use of the product outside the borders of the country intended for use.

All specifications are subject to change without notice

EZONICS END-USER SOFTWARE LICENSE AGREEMENT

This is a contract. By installing the Ezonics EZMega Cam bundled software, you accept the terms and conditions of this license agreement.

1. Property Rights: This software program(s) (the "Ezonics bundled software") and the accompanying written materials are copyrighted and are proprietary products of Ezonics Corporation. United States Copyright Law and International Treaty Provisions also protect the Software. Trademarks shall be used in accordance with accepted trademark practice, including identification of trademark owner's name. Trademarks can only be used to identify printed output produced by the Software. Such use of any trademark does not give you any rights of ownership in that trademark. Except as stated above, this Agreement does not grant you any intellectual property rights in the Software program(s).

2. Use of the Software: **You may** (1) use the Software program(s) on any single computer, provided that the Software program(s) is in use on only one computer at a time. The software is "in use" on a computer when it is loaded into the temporary memory (i.e. RAM) or installed into the permanent memory (i.e. hard disk) of that computer. (2) make a single copy of the Software program(s) for backup or archival purposes. (3) permanently transfer all your rights to use the Software program(s) to another person or legal entity provided that you transfer this Agreement, the Software, and all accompanying written materials, provided that you retain no copies of the Software program(s) or written materials and that the other party agrees to the terms of this License Agreement. **You may not** (1) make, or have made, any form of copy, whether digital, printed photographic or otherwise, of the Software program(s), except insofar as such Software program(s) may be incorporated by you into on-screen or printed material. (2) place, or have placed the Software program(s) on an electronic bulletin board or other form of on-line service. (3) use, or have used, the Software program(s) in any form of pornography, or in any matter which is in any way defamatory of any person or business entity in any such image, or which implies any form of endorsement by the Software program(s), its suppliers, its licensors, or any individual or entity depicted in the Software program(s). (4) reverse engineer, decompile or disassemble or otherwise attempt to discover the source code of the Software program(s). (5) modify, adapt, translate, rent, lease, loan or create derivative works from the Software program(s). (6) export the Software program(s) in any form without the appropriate the United States and foreign government licenses.

3. Term: This license shall continue for as long as you use the Software program(s), except that it will terminate if you fail to comply with any term or condition of this Agreement. Upon such termination, or in order for you to terminate the Agreement, you agree to destroy the original and any copies of the Software program(s).

4. Limitation of Liability: IN NO EVENT WILL EZONICS CORPORATION BE LIABLE FOR ANY DAMAGES, INCLUDING ANY LOSS OF PROFITS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF YOUR USE OR INABILITY TO USE THE SOFTWARE PROGRAM(S) OR WRITTEN MATERIAL, EVEN IF EZONICS CORPORATION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states or jurisdictions do not allow the exclusion or limitation of incidental, consequential or special damages, so the above limitations may not apply to you.

PRODUCT RETURNS

If you must ship or mail the product to Ezonics Corporation for warranty service, you must prepay shipping/handling costs and insure the product and assume all risks of loss or damage in transit. Ezonics Corporation does not provide any refund policies for end-users, for return or refund policy, please refer to your retailer for more information.

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Getting to Know Your EZMega Cam™

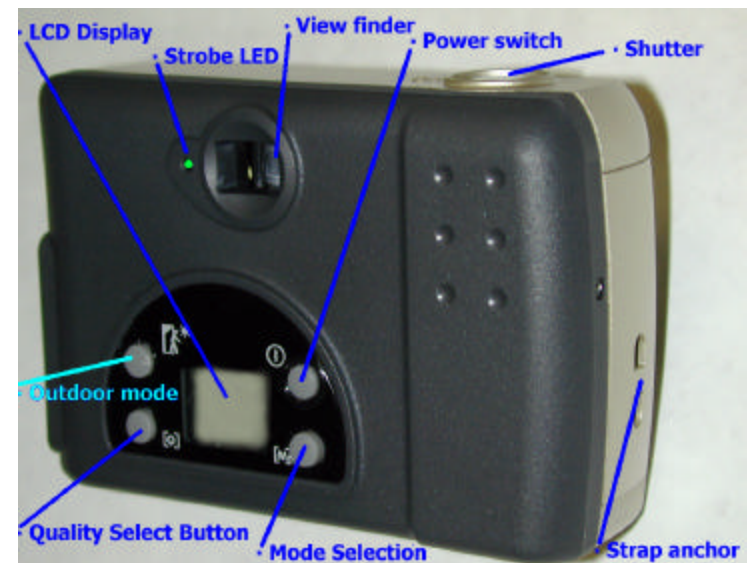
Product Features:

- USB Connection
- NO interface card required
- Full-featured Mega Pixel (with interpolation) Digital Camera. Just unplug the USB cord and take up to 75 VGA, 50 SVGA or 12 Mega Pixel pictures using the internal memory.
- Capture up to 2 minutes of video clip
- Send Video E-mail to your friends, family and business associates. EZMega Cam allows you to save video in a self-executable format. Just attach to your standard E-mail.



EZMega Cam Controls:

- **Mode Selection**- to adjust function settings
- **Shutter**- to confirm mode selection, take still pictures and videos
- **LCD Display**- function settings display
- **Quality Select Button**- to adjust still image capture quality
- **USB Port**- to attach USB cable
- **Power Switch**- Power On/Off
- **View Finder**- Real Image Viewfinder
- **Strobe (Flash)**- for inadequately lit environment
- **Strobe LED**- should light up when strobe is ready
- **Lens**- Fixed Focus/Electrical Shutter
- **Power LED**- Power On/Off indicator
- **Self-timer LED**-Self-timer shutter indicator
- **Strap Anchor**- to attach camera strap
- **Outdoor Mode**- Use in outdoor environments



Getting Started with EZMega Cam™

Congratulations! You have just purchased Ezonics EZMega Cam, the best-valued digital still and video USB camera around! The EZMega Cam will change the way you communicate. It allows you to capture full motion video, still pictures and videoconference the EZ way. You will be amazed at the possibilities.

This EZMega Cam manual introduces you to the EZMega Cam and gets you up and running in just a few minutes. Please refer to Quick Start EZ™ for quick and easy to follow installation instructions.

Thank you for choosing the Ezonics EZMega Cam. We hope this product will bring you years of joyful service. For information on our limited warranty, please see the warranty section of this manual.

Quick Start EZ™

1

Installation of Bundled Software and Camera Driver

Software Driver and Hardware Installation

Important: Do Not plug in **EZMega Cam** until you have followed the instructions below.

- Turn on your computer
- Insert the bundled software CD



Install EZMega Cam bundled software and driver

- Insert the bundled software CD into computer's CD-ROM drive and install the bundled software and driver for your camera. You should see installation wizard pop-up (right figure). The InstallShield will guide you through the rest of the installation.

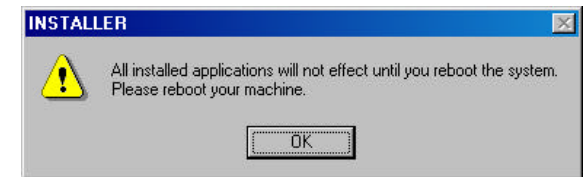
Install bundled software

- If you have unchecked any software titles from the installation wizard, you may install them again by checking the title(s) you want and click 'Install' again.



Restart system

- After you have installed all selected bundled software and camera driver, system will prompt you to reboot your system.

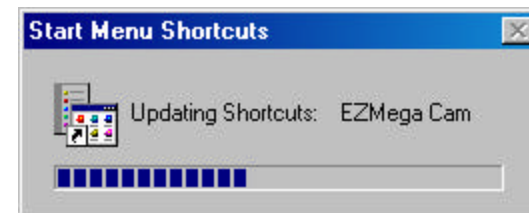
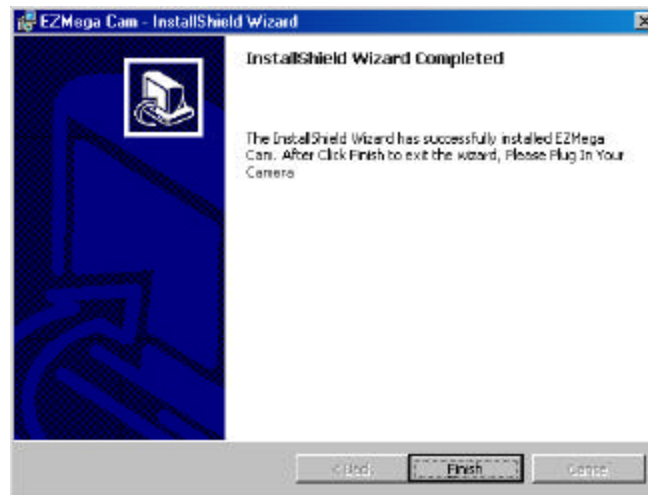


Plug EZMega Cam into PC System

- After system restarts, plug EZMega Cam into USB port as shown.

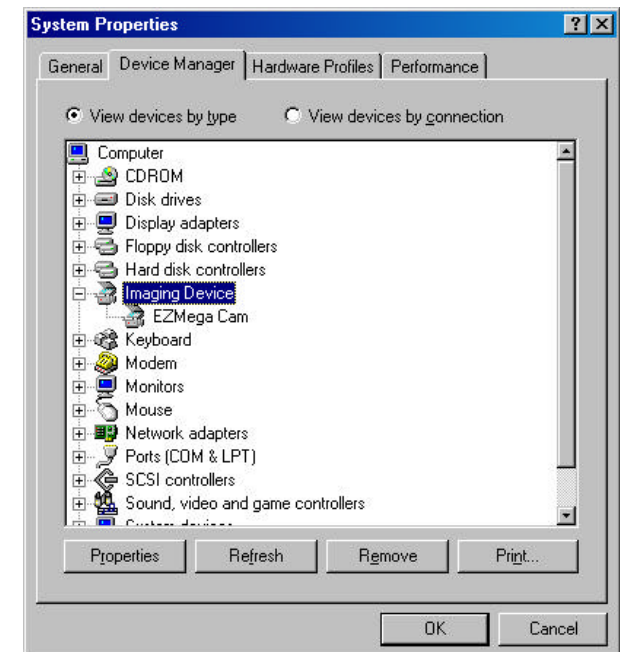


You should see hardware detection dialogs and installation wizard; follow the on-screen installation instructions and your camera will be installed. Click to finish.



Check if the EZMega Cam camera has been installed properly.

- Click Start-> Settings-> Control Panel -> System -> Device Manager -> Imaging Device; if you see "EZMega Cam," this means your Ezonics EZMega Cam is installed.



IMPORTANT: Certain PC systems may require Windows files to complete the installation. If your system already has these files, driver will be installed without prompting dialogs, but it is possible that your system does not have these files. In this case, Windows will prompt you to insert the Windows system CD. To complete installation, have your Windows system CD handy and follow the on-screen instructions.

If a dialog box appears with "A file being copied is older ... *kswdmcap.ax*, *vfwwdm32.dll* and *vfwwdm.drv*," click "**yes**" to all.






In order to use the Digital Still Camera (DSC) mode, you **MUST** install the bundled software, "Ulead Photo Express 4.0 SE." Please refer to Section 1 of this manual for installation instructions.

A. This section will guide you on how to use the EZMega Cam as a Digital Still Camera (DSC)




- Unplug the camera from your PC system.
- Detach the USB cable from your camera.
- Turn on the EZMega Cam by pressing the Power Switch ①.
- Your camera will go through a self-test sequence (this may take several seconds) and then the EZMega Cam is ready to use.
- EZMega Cam is a Fixed Focus Camera, which means you do not need to adjust image focus.



B. Learn how to adjust camera settings:

- The EZMega Cam has 5 buttons: Power, Mode, Outdoor, Quality and Shutter.
-  **Power** on/off button
-  **Mode** selection button- Press the MODE button to choose the function you wish to use. The chosen function symbol will blink on the LCD Function Control Display. To **Confirm** mode selection, simply press the **shutter** button once while the symbol is blinking. To **Cancel** mode selection, press the  Mode selection button to reach to the setting you want to cancel, the function will blink again, simply press the shutter button once while the symbol is blinking to cancel selection.

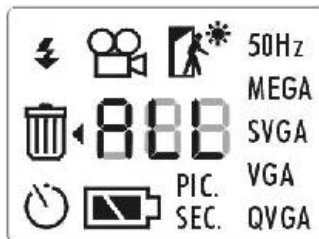
Note: In DSC mode, the camera will enter into standby mode if it has not been operated for 60 seconds. To return to ready mode, just press the Power ON/Off button.

-  **Outdoor** mode button- Use in outdoor environments
-  **Quality** mode button- Use to switch between **MEGA**, **SVGA**, **VGA** and **QVGA** image resolutions, image resolution under  **Video** mode is not changeable and will be set to QVGA only.
- **Shutter** button- To confirm mode selection, initiate self-timer and take still pictures.

Picture Count and Quality Matrix (Picture count may vary due to picture quality and memory issues):






The following information is based on built-in 8MB SDRAM Internal Memory Module.

Resolution	Size	Picture Count
Mega	1.08 Mega Pixel	12
SVGA	800 x 600	50
VGA	640 x 480	75
QVGA	320 x 240	Up to 300




LCD Function Control Display

Press **SHUTTER** to confirm each mode selection; the selected symbol will stop flashing and appear on the LCD Function Control Display.

-  Flash mode (need to wait for green LED to lite before select other mode)
-  Video mode
-  Outdoor mode
- **50Hz** for use under 50Hz indoor light source (may not require if used in United States and Taiwan)
- **MEGA, SVGA, VGA** and **QVGA** image resolution
- **PIC.** Picture count
- **SEC.** Video mode seconds count
-  Battery strength indicator
-  10-second **Self-timer** mode

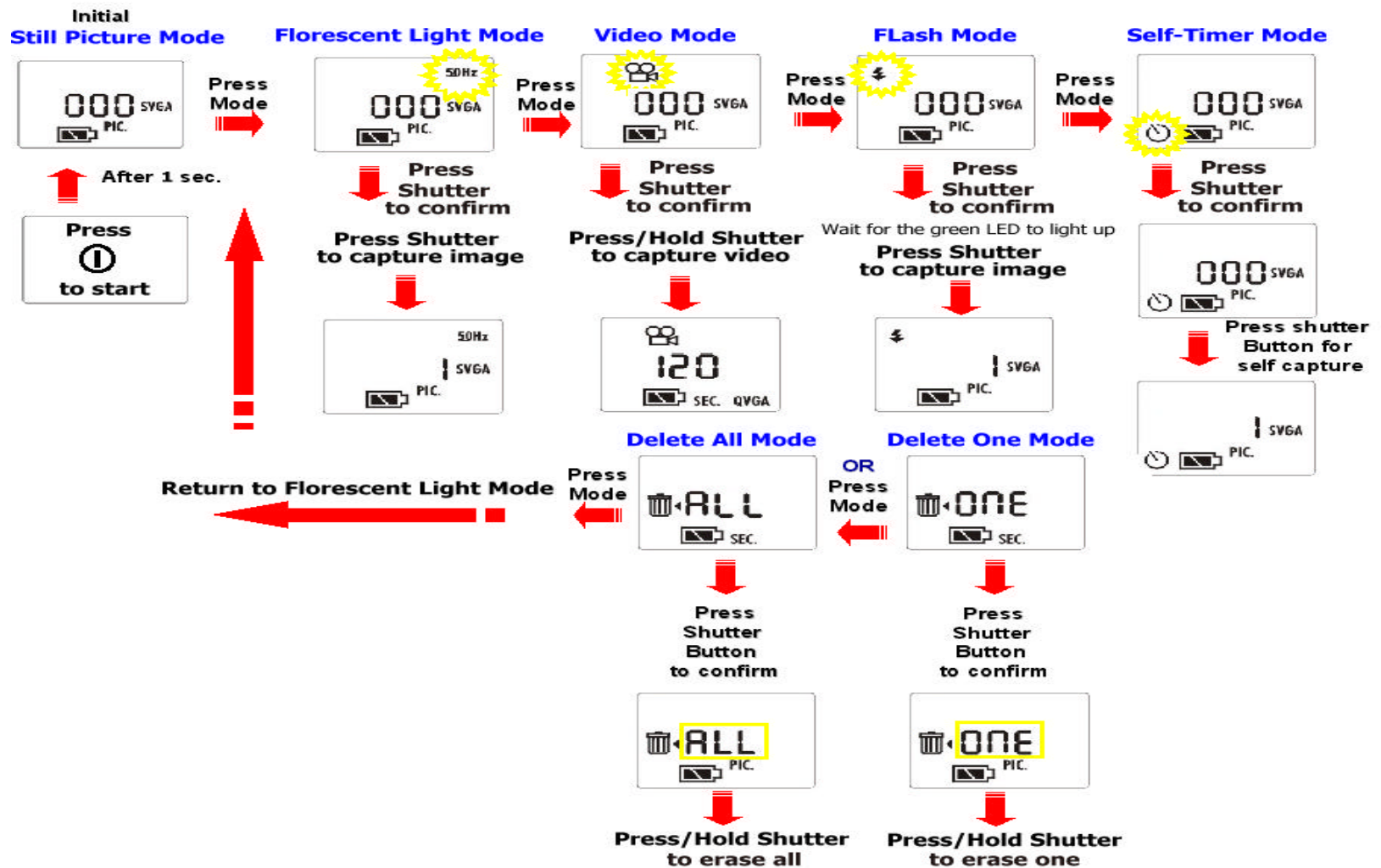
After you have selected Self-timer mode, simply press the **Shutter** button to activate the 10-second countdown. The LED indicator in the front of the EZMega Cam will start blinking and the picture will be taken automatically after 10 seconds.

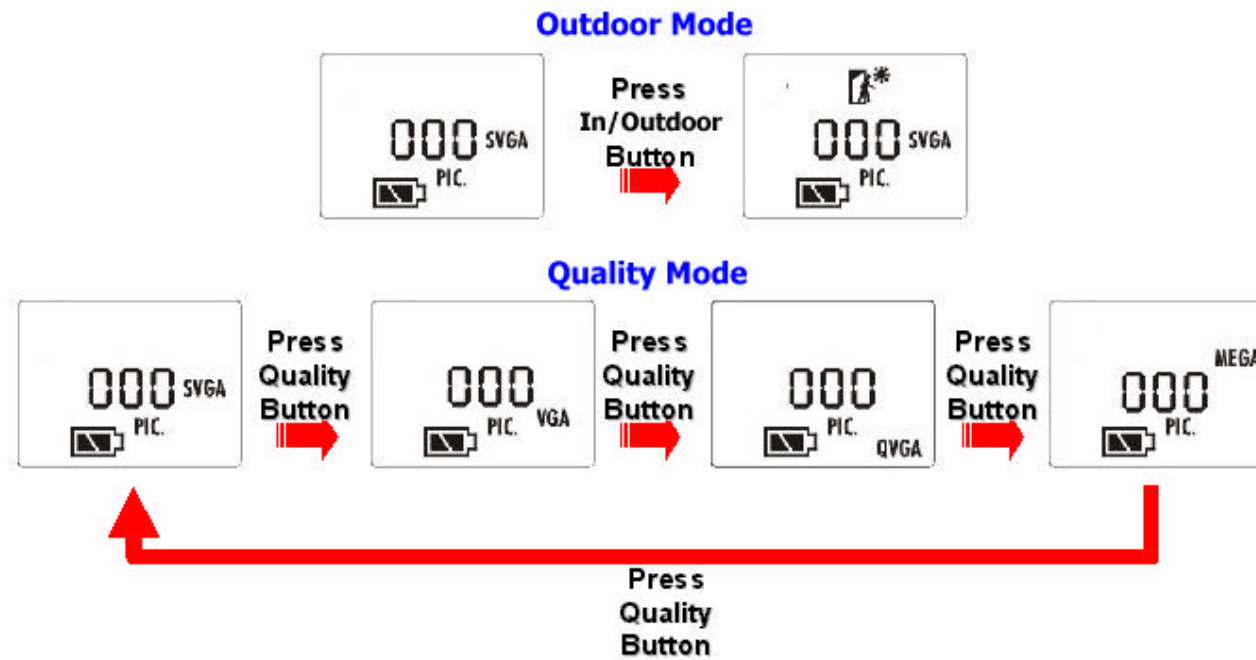
-  Delete mode or **Recycle** bin to erase stored pictures
In Delete Mode (including Delete all / Delete one), after confirming the mode selection, press SHUTTER and hold to erase stored pictures. This will confirmed with a beep sound. You can choose to delete All pictures or just one picture (you may **ONLY** delete the last picture you took in Delete One Mode) and/or video clip.

Note: Each recorded video clip is count as one in the Picture Count Mode.



C. QuickGuide for using EZMega Cam as a Digital Still Camera:





Outdoor mode button- Use in outdoor environments




Quality mode button- Use to switch between **MEGA**, **SVGA**, **VGA** and **QVGA** image resolution

Picture Count and Quality Matrix (Picture count may vary due to picture quality and memory issues):
The following information is based on built-in 8MB SDRAM Internal Memory Module.

Resolution	Size	Picture Count
Mega	1.08 Mega Pixel	12
SVGA	800 x 600	50
VGA	640 x 480	75
QVGA	320 x 240	Up to 300

When using EZMega Cam:

- The EZMega Cam comes with a fixed focus lens and a viewfinder to show what image will be taken.
- The camera will produce a beep sound when a picture is taken. To take a picture, press the Shutter button once.
- The LCD panel at the back of the camera will display the amount of pictures taken. If the luminance condition is not good for the picture captured, a low beep tone will be produced to inform you that the picture is not being taken.
- In DSC mode, the camera will enter into standby mode if it has not been operated for **60 seconds**. To return to ready mode, just press the  On/Off button.
- **WARNING:** When the battery power reaches a low level, the camera Power LED will start blinking. At the same time, low battery indicator will be shown on the LCD display. When this occurs, the camera will not allow capture or change mode/quality operation. The EZMega Cam will enter standby mode **10 seconds** later (your stored pictures and videos will remain in memory for 24 hours until new batteries are installed). Turn the power off and install new batteries within **30 seconds, otherwise all stored pictures and videos will be permanently deleted.**
- Press On/Off button to switch off standby mode. However, if battery level is still low, the low battery alarm and low battery display will be produced and camera will enter standby mode again.
- PC camera mode can work well even under low battery condition.

D. Download pictures to your computer



You must install bundled **Ulead Photo Express 4.0 SE** in order to use EZMega Cam as a Digital Still Camera (DSC) to download stored pictures. Should you need to install or re-install any bundled software, refer back to Section **1. Installation of Bundled Software and Camera Driver** for instructions.

Downloading stored pictures from DSC mode:

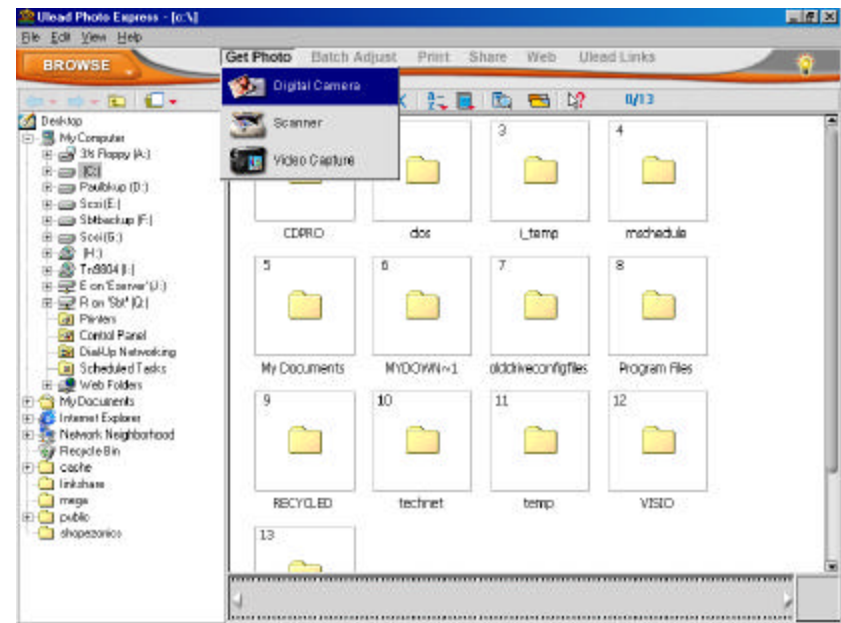
Plug the EZMega Cam USB cable to the camera port and the USB port of your computer (auto power will switch camera on).

Click Start-> Programs-> Ulead Photo Express 4.0 SE-> Ulead Photo Express 4.0 SE

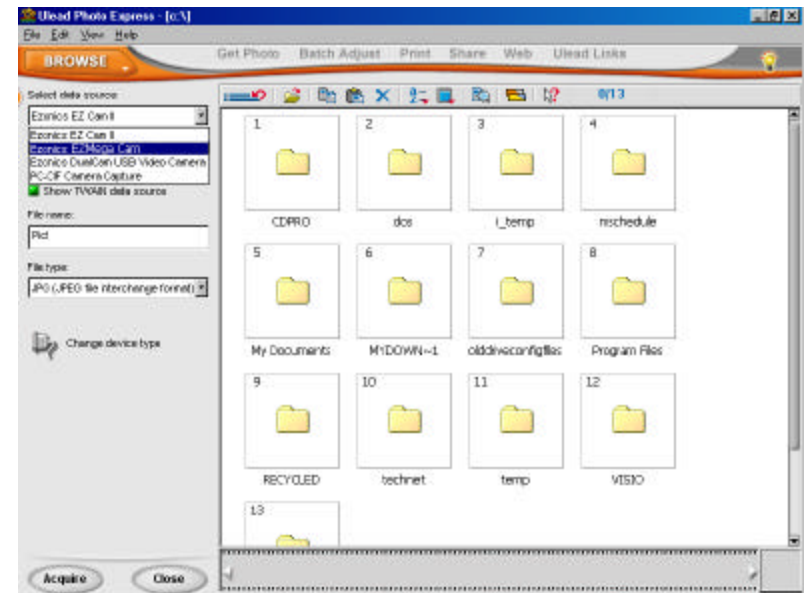


Note: During first use of Ulead Photo Express, system will confirm installation of all installed TWAIN devices such as your EZMega Cam, other digital camera(s) and scanner(s). Be sure to select EZMega Cam as **Digital Camera Device Type** when prompted.

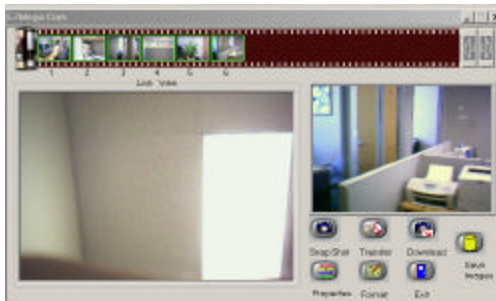
1. Click **Get Photo** button and select **Digital Camera** source.



- Under **Select Data Source** pull-down menu, click and select **EZ Mega Cam**.

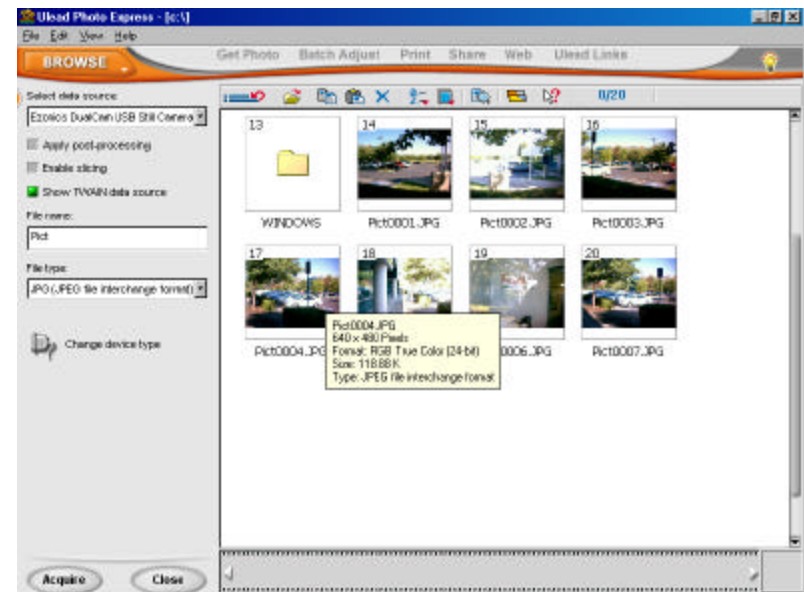


- Click **Acquire** to download the stored pictures from your EZ Mega Cam.



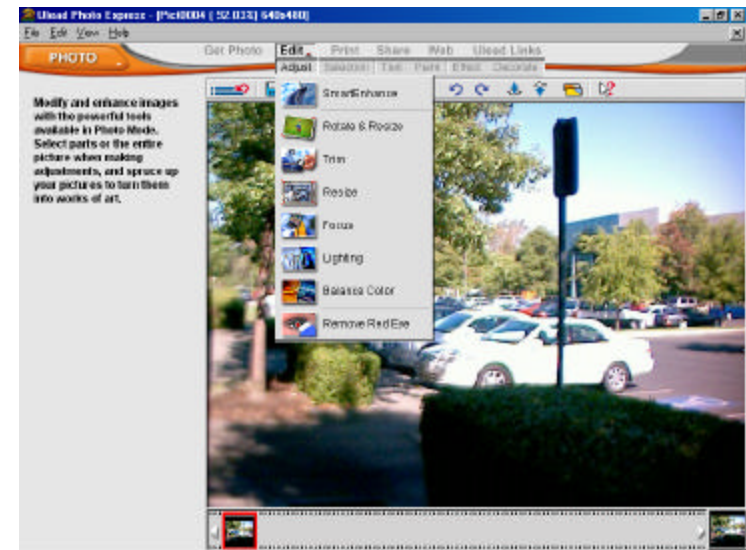
- Click **Download** to begin. After program has downloaded pictures, select picture(s) to transfer.

Hint: Hold the 'Shift' or 'Ctrl' key (on your keyboard) and the mouse pointer to select more than one picture to transfer.

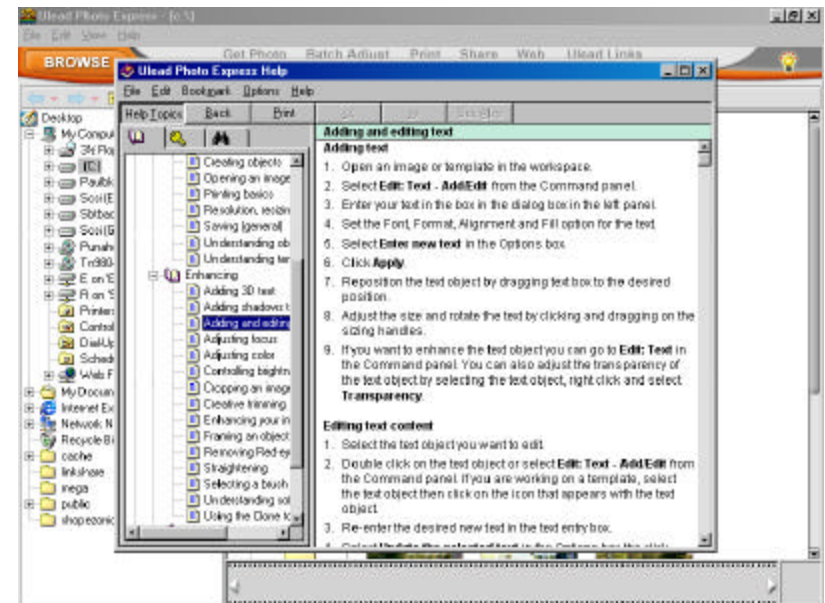


5. Double click on the downloaded thumb nail picture(s) to start editing.

Note: You may use many of the features provided with the Ulead Photo Express software to edit your pictures. Be sure to save your picture(s) to your local drive.



To learn more about how to edit your pictures using Ulead Photo Express, please refer to the help manual under Help (F1) or simply click on the light bulb wizard for general usage instructions.



E. Hardware Setting while using the EZMega Cam as a Digital Still Camera

Battery: Use 2 size AA battery to operate the EZMega Cam as a portable DSC. Battery life would be displayed on the LCD Panel.

Power ON/OFF: Turn the Power ON/OFF as a portable DSC

Outdoor Mode Button: Use in outdoor environments.


Focus: EZMega Cam is a Fixed Focus Camera, which means you do not need to adjust image focus.

Quality Select Button: Select the quality you prefer (MEGA, SVGA, VGA or QVGA) when capturing still picture.

Shutter: Take a picture by pressing the Shutter button. The total number of images would be displayed on the LCD Display Panel.

USB Port: Connect the USB Cable to your EZMega Cam and PC to download the captured image.

F. Using EZMega Cam in Video Mode:

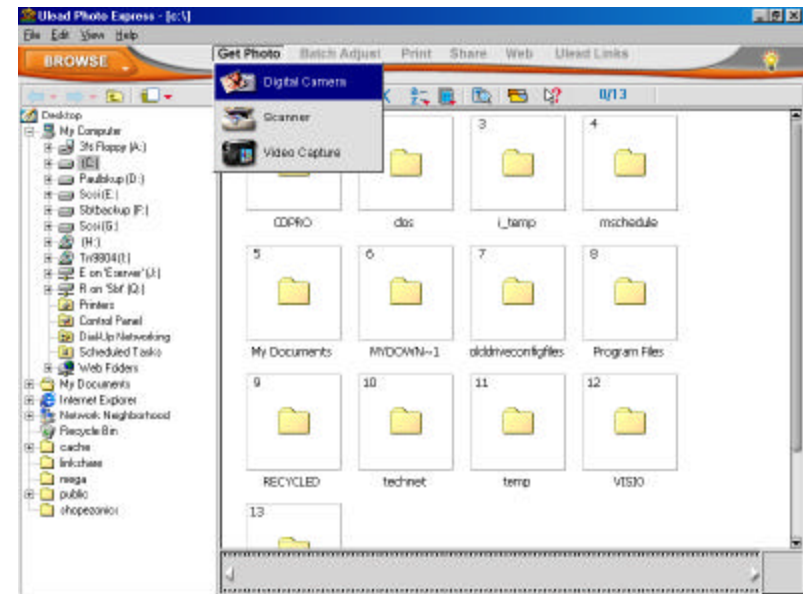
Press the **[M]** Mode selection button until you have the  **Video** mode Control Display. To confirm mode selection, simply press the **Shutter** button once. EZMega Cam is now ready to take a video clip. Simply press and hold the shutter button to start capturing video.

Note: Only QVGA 320x240 resolution will be set under **Video Mode**. You should see **SEC.**, second counter instead of picture counter. Under Video Mode, you will be able to take motion video at 3 frames per second for up to 2 minutes, provided that your 8 MB memory is empty. Each recorded video clip is count as one in the Picture Count Mode.

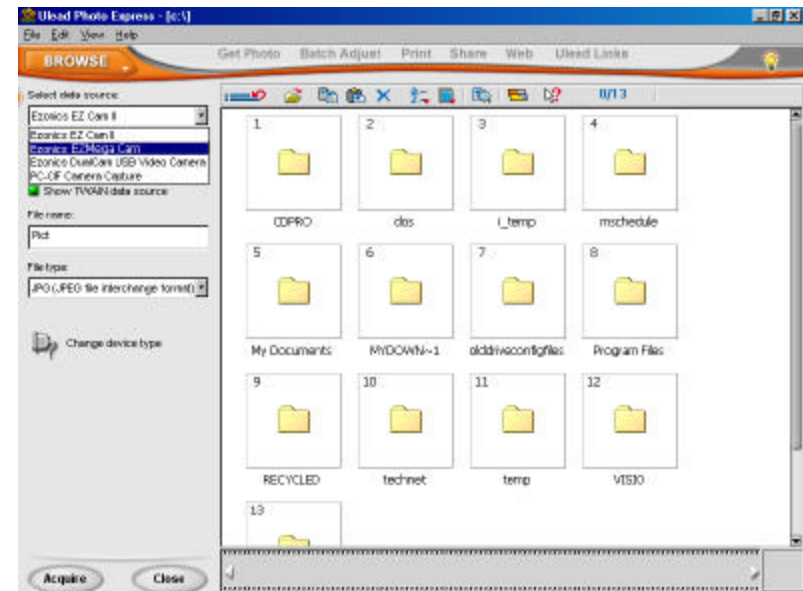


G. Downloading your stored video, playback and save as an AVI file

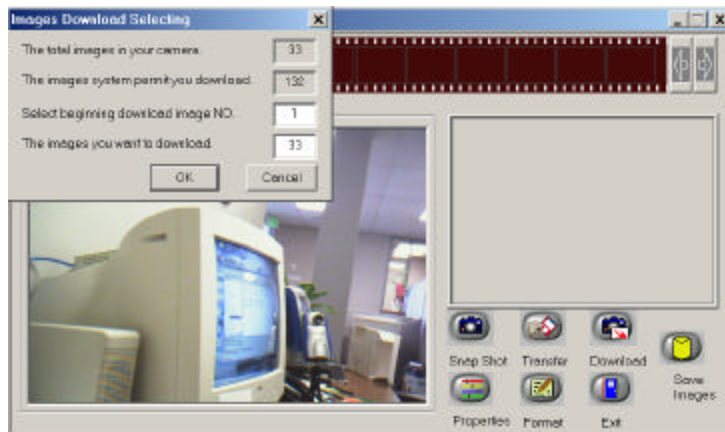
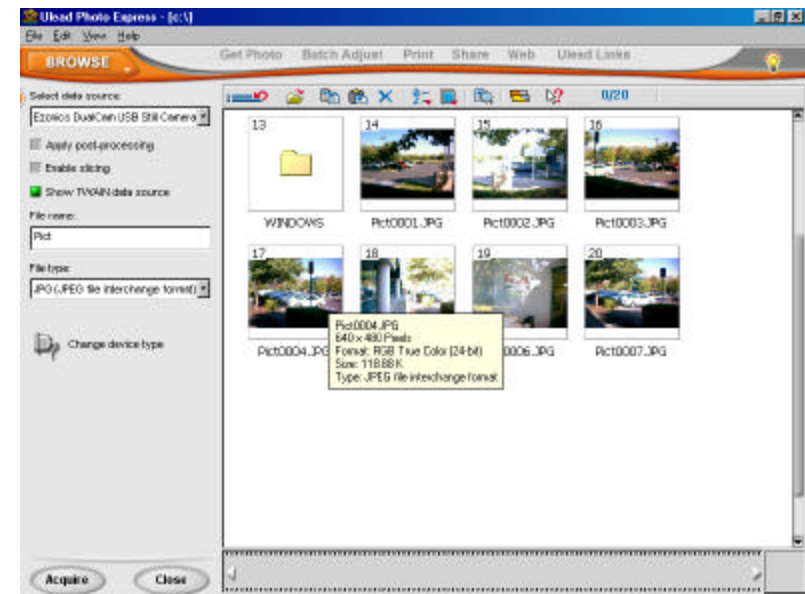
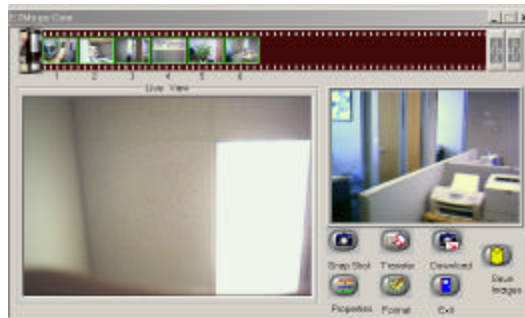
1. Click **Get Photo** button and select **Digital Camera** source.



2. Under **Select Data Source** pull-down menu, click and select **EZMega Cam**.

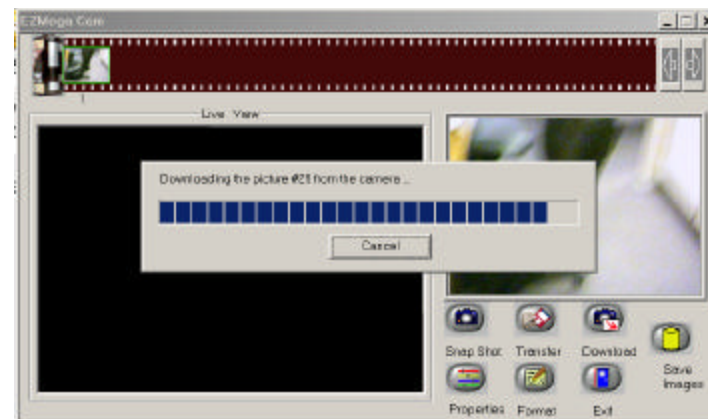


3. Click **Acquire** to download the stored video from your EZMega Cam. Downloaded video clip will appear with a letter 'A' accompany with number.

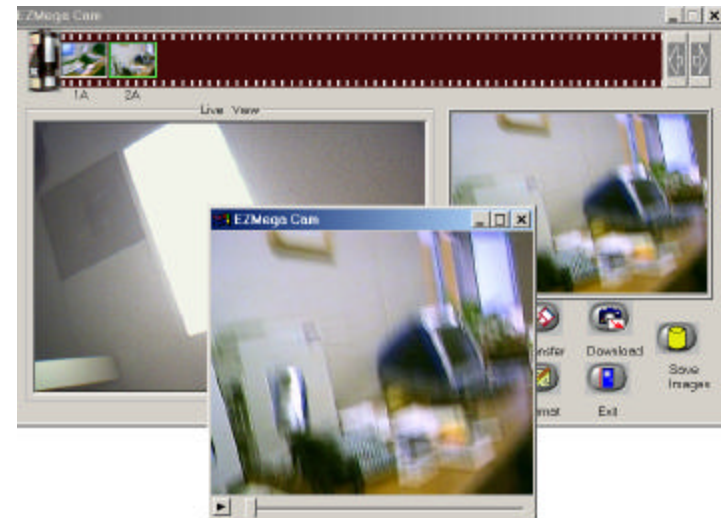


4. Click **Download** then **OK** under Images Download Selecting window to transfer your video clip to your PC.

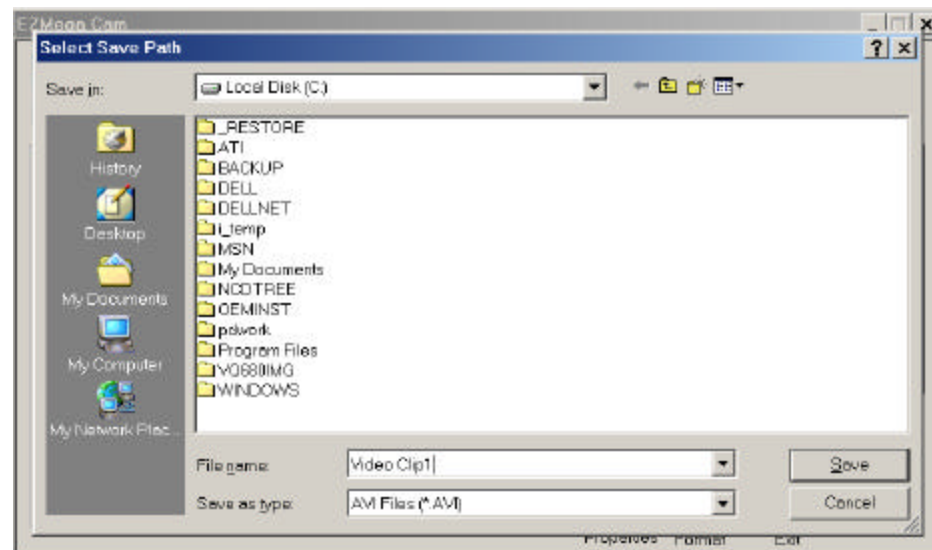
Downloading process begins.



5. Double click the downloaded clip on the filmstrip area and start playing the video clip. A separate video player window will pop up.



6. To save videos into AVI format, simply right click on the downloaded clip on the filmstrip area and save the file.
Note: A Select Save Path dialog will pop up and you can save your downloaded video clip for later use.



2

Installation of EZMega Cam as a PC Camera

Note: You may plug your EZMega Cam to PC USB port whenever using it as a PC camera or downloading files.

- Turn on computer.
- Plug the USB cable to EZMega Cam camera then to computer's USB Port.
- Place the EZMega Cam camera on top of PC monitor.
- EZMega Cam is now on PC camera mode.



To use the PC Camera Mode, you **MUST** install the "**Live Express Video Panel.**" Should you need to install or re-install any bundled software, refer back to Section 1. **Installation of Bundled Software and Camera Driver** for instructions.

Please refer to the following section to learn how to use "**Live Express Video Panel**" for sending Video E-mail.

To start using Live Express Video Panel:

Click Start->Programs->Intercom Live Express->Video Panel

You may also use software, quick and



our EZSuite to launch bundled easy.







3



The Basics of Capturing and Sending Video E-mail using Live Express Video Panel

- Defining your video display and capture settings
- Using the control buttons
- Recording audio and video files
- Capturing an image frame
- Installing your PC microphone (optional-not included)
- Controlling audio recording
- Controlling the sound output
- Opening a video/audio file
- Saving a video/audio file
- Opening other Live Express programs

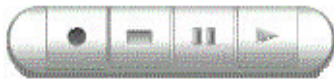
Defining your video display and capture settings

1. Click  to display the Video Options panel.
2. Drag the  video quality slider to adjust the level of compression to apply. Setting a high value produces better output display, but in effect, creates larger file sizes as you increase it.
3. Drag the  frame rate slider to specify how many frames to record per second when capturing.
4. Click  to open the Video Format dialog box of your capture driver for specifying video compression, frame

size, color channels, and other settings. This dialog box varies depending on the type of capture driver and device you have installed in your system.

5. Click  to open the Video Source dialog box for adjusting the colors of our capture device, zoom level and other settings to improve capture and device display capabilities. This dialog box varies depending on the type of video capture driver and device you have installed in your system.
6. Click  again to hide the Video Options panel and switch back to the Capture Options panel.

Using the control buttons



The control buttons are located below the Video capture panel. They are the Record, Stop, Pause, and Play buttons, respectively. These are the controls you will need for capturing and/or viewing video files. Click the appropriate button to perform the desired action.


Recording audio and video files



The Video Panel program allows you to choose whether to capture video, audio or both.

1. Check if you have the appropriate channel buttons of the data you want to include.
2. Adjust your camera to the desired view. Check the display on the Video capture panel.
3. When satisfied, click the Record button to start capturing.
4. Click the Stop button when done.

Capturing an image frame

1. Adjust the camera to the desired view. Check the display on the Video capture panel.
2. Click the  Snapshot button or the Shutter button on the camera.
3. From the Snapshot dialog box, select where to send the captured image frame from the following options:
 - **Card Maker** sends image to Card Maker for more image editing.
 - **Clipboard** copies image data onto the clipboard.
 - **File** opens a dialog box for specifying where to save the captured image.
 - **Album** opens the Album dialog box for choosing the specific album to save the captured image frame.
4. If you have chosen either one of the first two options, Video Panel program starts the capturing process after you click the OK button. For the last two options, capturing process starts after you have specified the necessary information in their related dialog boxes. If your captured image is not satisfactory, repeat from step 1.



Installing your PC microphone (optional-not included)

1. Plug the microphone mini-plug to your sound card's microphone jack.
2. Make sure the microphone is working properly in the Video Panel by referring to the next sections.
3. If audio (sound) comes through to the speakers, access Volume Control by clicking Start-> Programs-> Accessories-> Entertainment-> Volume Control-> to mute the microphone playback.
4. If you are experiencing recording difficulties, do the following:


Click Options-> Properties-> Adjust Volume for-> Recording to select microphone for recording if no audio is being recorded in Video Panel.

If you're still experiencing recording difficulties, enable or disable AGC (Auto Gain Control) or boost control by clicking in Options-> Properties-> Adjust Volume for-> Recording-> Microphone-> Advanced.

Controlling audio recording



1. Click and drag the  Microphone volume control to the desired level. This will determine the capability of your audio capture device's pick-up level while capturing.
2. Click the  Record button (with the Audio Channel active) to test audio capturing level. The sensitivity of your audio recording is reflected on the Audiometer located at the right hand side of the Video capture panel. (Note: Set the Speaker volume control to mid level for manageable testing).
3. Click the Play button to listen to the playback.
4. Start the actual recording when satisfied with the volume in the playback.

Controlling the sound output

1. Click and drag the  Speaker volume control to the desired level.
2. Play an audio file to listen to the volume level. If you hear no sound when the Audiometer indicates audio data, try adjusting the volume control higher or check your speaker's connection.


Opening a video/audio file

To preview previously saved audio and/or video file:

1. Click the  Open button.
2. Locate the file you want to play back (*.exe or *.wav file).
3. Click Open. This closes the Open dialog box.
4. Click the  Play button

Saving a video/audio file

After you have recorded audio and/or video data, you may want to save them to a file.

1. Click the  Save button
2. In the Save As dialog box, locate the folder where you want to save.
3. Specify a file name for the recorded clip.
4. Live Express will automatically detect the file format for saving. Video with audio data is saved to a self-executable file format (*.exe) and audio data is saved to a wave file format (*.wav). You may choose to save the file as avi file format (*.avi).
5. Select Save to album option if you want to automatically include the saved file to a specific album. This will enable the album drop-down list of existing albums. Click the drop-down arrow to select the album for saving the file.
6. Click Save to start the process.

Opening other Live Express programs

Take advantage of quick access to different programs that are included in the Live Express package. Click the appropriate button to invoke the related program.

Send Mail: For sending messages online



Composer: For Still and Video image render



4

Troubleshooting

Some common problems when installing EZMega Cam

- ☐ There is no response from Windows when I plug in the camera.
- ☐ When I open up Live Express, I get an invalid format message.
- ☐ When installing the driver for the EZMega Cam, I get the following message: "USB hardware may not be operational. You may need to enable your USB port in your PC BIOS."
- ☐ When I open up Live Express, I get a "No GSM Support" message.
- ☐ After installing Microsoft GSM 6.10 CODEC, I still get a "No GSM Support" message.
- ☐ Error message, " Failed sending mail" appears in Live Express Send Mail.
- ☐ When installing EZMega Cam, I get the following message: "USB Supplement needed" or "USB Supplement "is obsolete.
- ☐ I have a VIA Tech VT82C586B or VT82C596 USB port.
- ☐ EZMega Cam is loaded as an unknown device under 'Device Manager'
- ☐ Setup program executed successfully. However, the system prompts for Windows CD-ROM when I plug in the camera.
- ☐ The Ezonics EZMega Cam CD does not automatically run when I insert the disc in the CD-ROM drive.

There is no response from Windows when I plug in the camera.

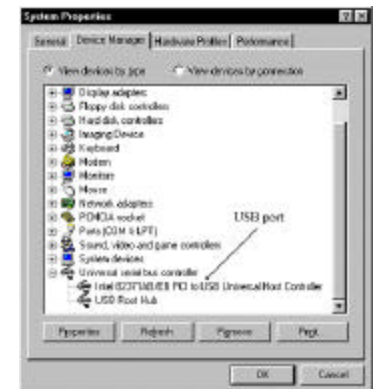
Make sure that your USB port(s) is working properly. **Warning:** You could damage your USB port(s), mainboard and the EZMega Cam camera if you installed the USB port yourself. Always consult a certified PC technician and have the proper version of Windows 98. To check what version of Windows 98 you have installed, right click on "My Computer" and click Properties. You should get the following screen:



Make sure the version number is 4.00.98 or higher.

Make sure that your USB port is working properly by right clicking on "My Computer" and click properties. Click on device manager and the USB port should be at the bottom of the list of devices, as illustrated:

Check to make sure that the "USB universal host controller" is listed under the "Universal serial bus controller" category. If it is listed under "other devices" or shows up with a yellow exclamation point next to it, the USB port is not operational.



When I open up Live Express, I get an invalid format message .

This error message may be caused by the color settings for the video adapter. To check this, right click on a blank area of the desktop, click properties, and click the settings tab. The color settings should be set to 16-bit high color or better.

When installing the driver for the EZMega Cam, I get the following message: "USB hardware may not be operational. You may need to enable your USB port in your PC BIOS."

If you receive this message, you need to contact your system integrator to ensure proper operation of the USB port.

When I open up Live Express, I get a "No GSM Support" message.

To correct this, do the following:

1. Go to your Control Panel.
2. Click on "Add New Hardware."
3. Choose **"No"** not to search.
4. At one point it will ask if you want to choose a device from a list. Click **"yes."**
5. Choose "Sound video and game controller."
6. Under Manufacturers, select "Microsoft Audio CODECS."
7. Under models, select "GSM 6.10 Microsoft Audio CODECS."
8. Click enter and finish the installation procedure. Reboot your system.

After installing Microsoft GSM 6.10 CODEC, I still get a "NO GSM Support" message.

Do the following to confirm your GSM CODEC is functioning:

1. Go to your Control Panel.
2. Click on Multimedia.
3. Go to the Devices tab.
4. Find Audio Compression CODECS.
5. Double click on "Audio Compression CODECS."
6. Look for the Microsoft GSM 6.10 Audio CODECS.
7. Double click on "Microsoft GSM 6.10 Audio CODECS."
8. Make sure 'Use this audio device' radio button is enabled.
9. Change priority setting to number 1.
10. Click settings and click Auto-Configure to set Compression and Decompression rate.

Error message, "Failed sending mail" appears in Live Express Send Mail.

Verify that Simple Mail Transfer Protocol (SMTP) provided by your Internet Service Provider (ISP) is correct and is in the mail server line of Live Express Send Mail setup.

*AOL users: Required SMTP not available through American Online (AOL); the Send Mail function in Live Express may **not** be available.

AOL and all Live Express users having SMTP problems can send mail as file attachments by using other E-mail applications provided by the respective ISP.

When installing EZMega Cam, I get the following message: "USB Supplement needed" or "USB Supplement is obsolete."

You need Windows 98 or above to operate EZMega Cam.

I have a VIA Tech VT82C586B or VT82C596 USB port.

Visit <http://www.viatech.com/drivers/index.htm> for **USB Filter Driver** to enhance your USB hardware compliance.

EZMega Cam is loaded as an unknown device under 'Device Manager'

If you have an **SIS 7001 PCI to USB open host controller or other PCI to USB host controllers** and EZMega Cam camera is loaded as an unknown device under \Control Panel\System\Device Manager\Universal Serial Bus Controller\, your PC may not be compatible with the EZMega Cam.

Setup program executed successfully. However, the system prompts for Windows CD when I install the camera.

This limitation is imposed by Microsoft to avoid version conflict and incompatibility issues. **DO NOT** ignore those files.

The Ezonics EZMega Cam CD does not automatically run when you insert the disc in the CD-ROM drive.

The Windows Auto Insertion Notification may not be enabled. Do the following to install the Ezonics bundled software:

1. Double click on 'My Computer' icon on the desktop area.
2. Right click to your CD-ROM drive.
3. Click Autorun or open/setup.exe or install.exe.
4. You should see setup title screen running.

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Technical Support

Enjoy and thank you for choosing Ezonics. Should you encounter any technical issues concerning the EZMega Cam, please visit our web site at **<http://www.ezonics.com>** customer support link for our troubleshooting walk-through.

To better serve you, we encourage you to use our on-line technical, troubleshooting walk-through or troubleshooting guide; there you will find answers to most of your technical issues. We also update our downloadable driver link to post fixes and drivers pertaining to our products.

You can also reach us by e-mail at **rcenter@ezonics.com**. Provide us with the product model, serial number, descriptions of your system and the problem that you are having. The normal turn-around time for e-mail service is 24 hours once the request is received by our technical support engineer.

For after-hours technical assistance, please visit our web site at **<http://www.ezonics.com>** customer support link. Then access our support walk-through service for immediate technical assistance.

For phone support, call us at toll-free 1.800.377.8688. Technical support is available 5 days a week, from 8:30 a.m. to 5:30 p.m., Pacific Standard Time. Toll-free phone support is available for one year from the date of purchase.



Software manuals are available in each program's help file.

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System Requirements (minimum)

Note: *Incompatibility issues may arise due to your computer system's hardware and software configuration.*

- IBM compatible PC with 166 MHz (or greater) Pentium CPU
- Minimum 32 MB RAM memory
- USB Port
- CD-ROM Drive (for drivers and software installation)
- SVGA or VGA monitor capable of displaying 256 colors or higher
- 20MB of available Hard Disk Space
- Sound Blaster or compatible sound system
- 28.8Kbps Modem or above for Video conference
- Microsoft Windows 98 Second Edition, ME, XP or 2000

7

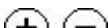
Lens Cleaning and Battery Installation

The lens of the camera should rarely need cleaning, but if needed, then a dry lint-free cloth is recommended.

Install two new AA size alkaline batteries when the Battery life indicator on the LCD panel reaches to less than half-level or when having difficulty operating digital still camera mode.



To install the battery, slide the battery compartment door downward then lift it to make clearance for installing the battery.

Note: EZMega Cam camera will not function if the battery polarity is reversed. Be sure to install the batteries according to the  polarity direction shown on the inside of battery compartment door.

EZMEGA CAM TECHNICAL SPECIFICATIONS

Product type	EZMega Cam
Recording Medium	Built in 64M bit SDRAM Memory
Sensor	504,288 pixels CMOS Image Sensor
DSC Image Resolution	1.08 Mega Pixels (Interpolation) 800 x 600 320 x 240 640 x 480
PC Camera Resolution	800 x 600 @ 8fps, 640 x 480 @ 10fps, 352 x 288 @ 30fps, 320 x 240 @ 30fps
Video Clip Mode	320 x 240 up to two minutes
Lens	Fixed Focus/Electrical Shutter
Internal Storage	8MB SDRAM
Image Compression	JPEG CODEC
Interface	USB Type B
Viewfinder	Optical-real image viewfinder
Strobe Distance	2 M
Exposure/White Balance	Auto Control
Self-timer	With 10 second delay
Operating System Support	Windows 98 SE, Windows 2000, Windows ME, Windows XP
Software include	Camera Driver Live Express Video Panel Ezonics Greeting Cam Deluxe Ezonics Live Composer Ulead PhotoExpress 4.0 SE Ulead PhotoExplorer 7.0 SE Ulead Cool 360

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