

Welcome

MegaCam is a high-quality yet affordable digital camera that allows you to create, edit, share and send photos to friends and family.

MegaCam is also not just a digital camera. It lets you record short segments of video. What's more, it can be used as a Web camera when you connect it to a computer.

This easy-to-follow manual shows you how to use your new camera and install all the software that is included in the Digital Camera CD. You'll find clear instructions on how to take pictures, record video, and use your camera as a PC camera. Guidelines on how to use the software to transfer photos and video clips from the camera into your computer are also provided.

Whether you want to send snapshots or short video clips via mails, create exciting photo projects, produce movies, or meet friends and family face to face over the Internet, MegaCam gives you all the tools that you need.

Contents

Know Your Camera	3
Camera Controls	3
Digital Interface Compartment	6
Preparing Your Camera	6
Start Using Your Camera	7
Formatting the SD Card	7
Shooting Photos	8
Viewing Photos	8
Taking Close-ups, Portrait and Distant Pictures	8
Printing Photos	8
Deleting Photos	9
Camera Settings	10
Hooking Up to Your Computer	10
Hooking Up to Your TV/VCR	11
Recording Video	12
Installing Software	13
Appendix: Camera Specifications	16

Know Your Camera








This is not your traditional camera. This is a “digital camera”. A digital camera allows you to take pictures without the use of film.

Eliminate developing costs by downloading the photos to your PC. You can send your photos via email, upload them to your web site.

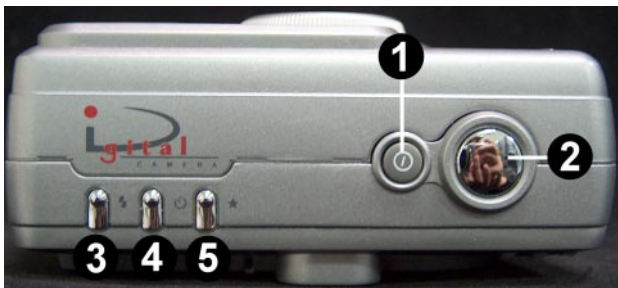
Now, familiarize yourself with the camera controls of MegaCam.



Camera Controls


Top of Digital Camera





- 1 Power**  - Press the Power  button for one second to turn the digital camera on and off. You will then hear two beep sounds to remind you the camera is on.
- 2 Shutter Release** - Press the Shutter Release button to take the picture and record video.
- 3 Flash**  - The Flash  button gives you the options of choosing *Auto Flash* , *No Flash*  or *Force Flash* .

Note: The default setting is “No Flash”.

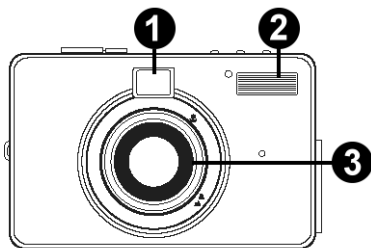


4 Self-Timer  - Use the Self-Timer  button when you need to shoot photos of yourself. After you press the Shutter Release button, a 10-second countdown, giving you time to position yourself in front of the camera before your photo is taken.

5 Photo Quality  - The Photo Quality button lets you choose: *1M*, *2M*, *3M* and *4M* Scale up.

At *1M*  photos will be moderately compressed to keep their file sizes smaller. At *2M*  photos appear clearer and sharper, and their file sizes will be larger. And what's more is MegaCam allows you to scale the resolution up to 3 and 4 megapixels at  and .



Front of Digital Camera



1 Viewfinder Window - The Viewfinder window allows you to center on the subject or scene you want to photograph.

2 Flash - This is the camera flash.

3 Lens - Adjust the camera lens to take

close-up pictures (**Macro mode** ) or portrait/scenery (**Normal / Infinity mode** ).

Back of Digital Camera











1 LCD Display - The LCD Display

(Liquid Crystal Display) is one way used to view the photos you have taken; indicate camera settings as well as access the menu and info options.

2 Viewfinder - Look through the Viewfinder to view the real life subject you want to photograph.

3 Controller - Use the Controller button to open the camera menu and change option settings:

- **Menu**  - Press Menu Button  to open the camera menu on the LCD Display.
-   - Press   to move up or down in the camera menu when in Preview mode. When in Playback mode, press   to browse through the photos you have in the memory.

- **Digital Zoom** - MegaCam provides four times magnification beyond the optical zoom. Press the Mode button to activate Preview and use the LCD display to frame your subject. And press Up/Down button once to zoom in/out your object. It does not function when you select 3M and 4M Scale up for your photo quality.

- **OK** - Press **OK** to select a menu option or setting. Also press **OK** when you are replying to screen messages.

4 Preview / **Video** / **Playback** **mode button** Press the mode button to switch among Preview, Video and Playback mode. Preview mode allows you to take photos while Video mode lets you record video with the camera. Playback mode lets you view the photos or videos you have taken on the LCD Display.

5 LCD Display - Press to turn On/Off the LCD display.

Note: It will be automatically shut off if no operation in 30 seconds to save your battery power.

LCD Display Status icons

Battery power level

	Full battery power
	Medium battery power
	Low battery power

Photo quality

★★★★	2304 x 1728 pix, 4 pictures
★★★	2048 x 1536 pix, 8 pictures
★★	1600 x 1200 pix, 12 pictures
★	1280 x 1024 pix, 35 pictures

TV/VCR output

NTSC / PAL

Flash setting

	Auto
	Force Flash
	No Flash

Self-timer

Self-timer On

Zoom

	4X 4x Digital zoom
	3X 3x Digital zoom
	2X 2x Digital zoom
	1X 1x Digital zoom

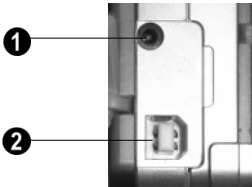
Picture Counter

*Number of remaining shots
(Playback mode)*

*Number of stored photos
(Preview mode)*

Digital Interface Compartment

Located on the left side of the camera are the two ports for attaching the following cables: Video Output and USB. These ports will enable you to attach the appropriate cables from the camera to your computer and TV/VCR.



- 1 Video Output** - used to hook your camera to a TV/VCR for viewing images taken with your camera.
- 2 USB Connection** - used to connect your camera to the computer through the USB port. You can then transfer photos and recorded videos from the camera to your computer, or use the digital camera as a Web camera.

Preparing Your Camera



- Step 1** Insert the two AA batteries into the battery compartment located at the bottom of your digital camera. When closing the battery door, push the battery door down and then slide it closed.
- Step 2** Open the memory compartment cover located at the bottom of your camera and insert the SD memory card.



When inserting, hold the memory card so that its pin connector is pointing towards the camera. Also, the front side of the memory card should be facing the front side of the camera.

Then, push the memory card all the way into the memory compartment and close the cover.

Note: 1. To remove the SD card, push the SD card once and the card will be ejected from the memory compartment.
2. MegaCam comes with built-in 8Mbyte internal NAND Flash memory. You don't necessarily add extra memory for it.

- **Step 3** Attach the wrist strap to the strap holder at the side of the camera as illustrated in the picture below.



Start Using Your Camera

- **Step 1** Press the **Power** Ⓛ button to turn on the camera. A green light just beside the Viewfinder then lights up.
- **Step 2** The LCD Display will be turned on automatically.

Press **Mode button** to switch to Preview mode. You can now begin taking pictures.

Formatting the SD Card

It is best to format your SD memory card before using it to store pictures.

- **Step 1** First switch to Playback mode and press **Menu Button** to bring up the Erase menu.
- **Step 2** Press ▼ to move down to the **Format SD Card** option.



- **Step 3** Press **OK**.
- **Step 4** The message "Format the storage?" then appears.

To format the memory card, press ▲ to select **Yes** on the screen and then press the **OK** button. You will hear a ring sound when you press it.

If you do not want to continue with formatting the memory card, select **Cancel** on the screen and then press the **OK** button.

- **Step 5** The camera then begins formatting the memory card. Wait for the formatting process to finish.
- **Step 6** After the memory card has been formatted, all the pictures in the memory card will be deleted. And there is a message appeared: **No pictures in memory**.

Shooting Photos

Taking pictures with your digital camera is a snap. Just point and shoot!

- **Step 1** Make sure that the camera is turned on.
- **Step 2** Use the LCD display or the Viewfinder to frame the subject you want to photograph.
- **Step 3** Press the **Shutter Release** button to take the picture.

The picture will remain on the display and LCD will display “**Processing**” until it is stored in the memory. Now LCD Display will resume, you may focus your next target to take the next picture.

Tip: *Unlike a traditional camera, if you move the camera your image will not be blurred at this time.*

Now that you have taken the photos, they are stored in camera memory, let's view them.


Viewing Photos

- **Step 1** Turn on your MegaCam.
- **Step 2** After two beep sounds, the LCD Display will be also turned on automatically.
- **Step 3** Press the **Mode** button to switch the camera to Preview mode.
- **Step 4** View the pictures one at a time on the LCD Display. Press ▲ ▼ to move backward and forward through the pictures.


Taking Close-ups, Portrait and Distant Pictures

The lens at the front of the digital camera can be adjusted for taking close-up pictures as well as people portrait and distant pictures.

To take close-up pictures:

- **Step 1** Turn the lens all the way to the left. This sets the digital camera to **Macro** mode , allowing you to take pictures at close range.
- **Step 2** To take pictures, follow the steps in the section, “Shooting Photos” on page 8.

To take portrait and distant pictures:

- **Step 1** Turn the lens all the way to the right. This sets the digital camera to **Normal** mode , allowing you to take pictures of people or sceneries.
- **Step 2** To take pictures, follow the steps in the section, “Shooting Photos” on page 8.

Printing Photos

By selecting DPOF option in Erase menu, camera can directly send your selected photo to the compatible printers that read DPOF (Digital Print Order Format).


After a photo is selected for printing with DPOF option, the DPOF icon will show on the photo when previewing the image in Preview mode.

Deleting Photos

You can choose to delete a single photo or all the photos previously taken with the digital camera.

Deleting a Single Photo

If you are not satisfied with some pictures, you may delete them from the memory.

- **Step 1** Make sure that the camera is turned on.
- **Step 2** Press the **Mode button** to switch the camera to Playback mode.
- **Step 3** Press **▲ ▼** to move backward and forward through the pictures.
- **Step 4** When you see a picture that you want to delete, press **Menu button**  to bring up Erase menu.
- **Step 5** A menu then appears, with the **Erase one** option highlighted.




- **Step 6** Press the **OK** button to erase the current picture.

If you change your mind and do not want to erase the current picture, press **▼** to select the **Cancel** option on the menu screen, and then press the **OK** button. The menu closes and the current picture remains undeleted.

- **Step 7** To continue taking pictures, press the **Mode button** to switch the camera to Preview mode.

Deleting All Photos

You may also choose to delete all of the photos if the memory is already full and you want to free up the space to take more photos. But before you remove all photos, remember to transfer them first to your computer.

- **Step 1** Press the **Mode button** to switch the camera to Playback mode.
- **Step 2** Press **Menu button**  to bring up Erase menu.
- **Step 3** Press the **▼** to move down to the **Erase all** option.
- **Step 4** Press the **OK** button.
- **Step 5** When you see the message, "Delete All Images?", press **▲** to select **Yes** on the screen and then press the **OK** button to erase all of your pictures.

If you change your mind and do not want to continue deleting all the pictures, press **▲** or **▼** to select **Cancel** on the menu screen. Then press the **OK** button. All your pictures will be retained.

- **Step 6** After all the pictures have been deleted, there is a message appeared: **No pictures in memory.**

Press **Mode button** to switch the camera to Preview mode to take more photos.

Camera Settings

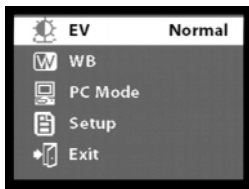
Using the default camera settings, sometimes, the picture quality may not come out the way you want it. Different lighting environments usually produce different results.

To have more control over the quality of your pictures, adjust the camera settings to suit your needs.

Changing Camera Settings

Access the Camera Setup menu in your digital camera to change camera settings.

- **Step 1** Press **Menu button**  to bring up the camera's menu screen.



- **Step 2** Press **OK** on the **Setup** option.
- **Step 3** The Camera Setup menu then appears on the LCD display.



- **Step 4** Press **▲ ▼** to move up or down in the Camera Setup menu.

The Camera Setup menu lists the following options:

- **EV (Compensation)** - Sets the exposure setting to control the brightness of photos. Choose a positive value to have brighter photos, or a negative value to have darker photos.
- **WB (White Balance)** - Allows the camera to adjust to light conditions using preset selections (auto, sun, shade, tungsten, fluorescent).
- **TV Mode** - Choose the TV standard that you use in your country for the video you record.
- **Language** - Let you to choose different languages for Camera menu.
- **Sound** - Select to have the beep sound whenever you press the buttons of the camera.
- **Step 5** Press **OK** to select a menu option. The selected option will be highlighted.
- **Step 6** Press **▲ ▼** to cycle through the available settings.
- **Step 7** Press **OK** to choose a setting.
- **Step 8** Press **▼** to move down the menu screen and choose **Exit**. Then, press **OK** to exit the menu screen.

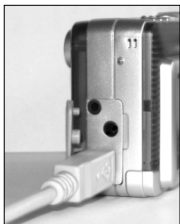
Hooking Up to Your Computer

You need to connect the camera to your computer's USB port to transfer photos into your computer. This section shows how you can connect the camera to your computer.

You must install the Dual Camera Driver from the Digital Camera CD before connecting in order for your computer to function properly using the USB. See the section, "Installing Software" on page 13 for details on how to install the driver.

The USB Port is located in the Digital Interface Compartment on the left side of the camera.

- **Step 1** Connect the smaller end of the USB cable into the USB port of your digital camera.





- **Step 2** Connect the other end of the USB cable to the USB port located on the back of your computer.


Hooking Up to Your TV/ VCR

Connect your camera to a television set if you want to have a larger view of your photos.

To view your images on television set:

- **Step 1** Press the **Power**  button to turn your camera on. Wait for the indicator light to signal that the camera is ready.
- **Step 2** Press **Menu button**  to

bring up the camera's menu screen.

- **Step 3** Press **OK** on the **Setup** option.
- **Step 4** Press  to move down the menu until the **TV Mode** option is highlighted and select the TV standard that use in your country (NTSC/PAL).

Press  Move to **Exit** to exit the menu.

- **Step 5** Connect one end of the video output cable (the black colored plug) into the video out port located in the Digital Interface Compartment on the left side of the camera.



- **Step 6** Connect the other end of the video output cable (the yellow plug) to the video in plug on your TV/VCR.

Note: *TV/VCR manufactures vary. Locate the audio/video ports on your individual TV/VCR and insert the video output connector into the Video port.*

- **Step 7** Turn on your TV and VCR.
- **Step 8** On your television, select the channel for auxiliary video input (not Ch or 4).


Note: Channel may vary by manufacturer; refer to your VCR's operating manual.

Recording Video

With your camera, you can record short sequences of video at a rate of twenty frames per second. The camera stores video in *.AVI format.

Before recording, first set the camera to video recording mode.

- **Step 1** Press **Mode Button** to switch your camera to Video Mode.

A Video icon  then appears on the LCD Display.

Now you can start recording short video clips with the camera.

- **Step 1** If the camera is not in Video mode, press **Mode Button** to switch to this mode.
- **Step 2** Press once the **Shutter Release** button to start recording video. You will see on the LCD Display live view of the subjects or scenes you are recording.
- **Step 3** And while you are recording, A red text "REC" appears on the upper right side of the LCD Display. And disappears after you terminate the recording process. And the remaining seconds will be counted down as you continue shooting.


- **Step 4** To stop recording, press the **Shutter Release** button again.

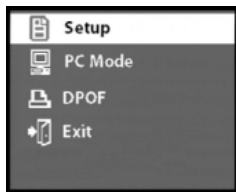
Using the Digital Camera as a Web Camera

When you connect MegaCam to your computer, you can use it as a Web camera. You can then join video conferencing sessions on the Internet with your camera. You need to install the Dual Camera Driver and the Microsoft NetMeeting software from the Digital Camera CD before you can start use it as a Web camera. See the next section, "Installing Software", for installation instructions.

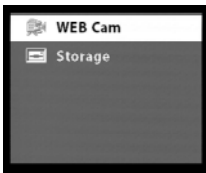
When functioning as a Web camera, your camera also lets you capture video directly into your computer and edit or enhance your video clips through the MGI VideoWave software. See the next section, "Installing Software", for installation instructions.

Setting Your Web Camera

- **Step 1** Press **Mode Button** to bring up the camera's menu screen.
- **Step 2** Press  to move down to **PC Mode**.



- **Step 3** Press the **OK** button.
- **Step 4** There are two options in the list: **WEB Cam** and **Storage**. Select **WEB Cam**.



- **Step 5** Press **OK** button to go back to the menu.

Your camera is now able to function as a Web camera.

Installing Software

The MegaCam CD includes software for downloading photos and recorded video from the camera to the computer, touching up photos, editing video, and video conferencing.

Installing All Software and Driver

To install the digital camera driver and all the software in the MegaCam CD:

- **Step 1** Place the MegaCam CD into your CD-ROM drive.
- **Step 2** The Software Installation screen appears, with the **Install All the Software and Driver** option selected.



Click **Install** to start the installation.



- **Step 3** All the other software will be installed one after the other. Simply follow the on-screen instructions to complete the installation of the camera driver and all the software.

Note: The section, "Installing MegaCam Driver" on page 14 provides details on installing the digital camera driver.

- **Step 5** After installing everything, select **Yes, I want to restart the computer now**, and click **Finish** to reboot your computer.

Installing Selected Software

To choose the software to install:

- **Step 1** Place the MegaCam CD into your CD-ROM drive. The Software Installation screen appears.
- **Step 2** Deselect the **Install All Software and Driver** item. Then choose the software that you want to install.

- **Step 3** When selecting software to install:

First, click on the **MegaCam Driver** item. This option must be selected if you want to connect the digital camera to your computer and download photos, transfer recorded video clips, or use the camera as a Web camera.

Note: *The next section, “Mega Cam Driver”, provides details on installing the digital camera driver.*

- If you want to install the multimedia application programming interfaces software, select the **Microsoft DirectX** item.
- If you want to install the video conferencing software, select the **Microsoft NetMeeting** item.
- If you want to install the photo editing software, select on **ARCSoft Photolmpression**.
- **Step 4** The other software you selected will be installed one after the other. Simply follow the on-screen instructions to complete the installation.

Note: *At the end of each software installation, “Setup Complete” appears and prompts you to restart your computer. If you have not yet finished installing the other software, click **Cancel**. Click **Yes** and restart your computer only when you have finished installing the last software.*

Installing MegaCam Driver

The MegaCam Driver option in the installation screen installs two drivers into your computer: the MegaCam Driver and MSDC Driver. The PC Cam Driver allows you to connect the camera to your computer and download photos as well as use the digital camera as a Web camera. MSDC lets you copy photos and recorded video clips from the camera into your storage driver.

To install MegaCam Driver:

- **Step 1** In the “Application Softwares” dialog box, click **Next**.
- **Step 2** In the “Choose Destination Location” dialog box, specify the folder location in your computer where you want to install the MegaCam Driver.

The location, “C:\Program Files\Digital\Digital Camera”, is the default location chosen for installing the driver.

Click **Next**.

- **Step 3** The Setup program then starts copying files to your computer. Wait for the installation to be completed.
- **Step 4** When installation of the MegaCam Driver is complete, “Setup Complete” appears. Select **Yes, I want to restart the computer now**, and click **Finish**.

After your computer reboots and starts up Windows, continue installing the other software.

Downloading photos

Here is the exciting time! After you have finished taking photos, you must like to see how the result is. Simply follow the steps below you will realize how easy downloading photos can be:

- **Step 1** Go to PC Mode options in your MegaCam Setup menu and select **Storage Mode**.
- **Step 2** Connect your camera to a computer with the USB cable.
- **Step 3** There will be a DSC Storage folder soon appeared in your Windows explorer. This folder is for storing your photos in camera's memory card. Double click this folder, you will see the photos that you just took.
- **Step 4** Now, you will be able to quickly copy photos from DSC Storage folder to your local hard drive and share them with your families!

Appendix: Camera Specifications

Image Sensor	1600 X 1200, 2.0M pixel COMS sensor
Optical Viewfinder	Built-in
LCD Display	1.5" color TFT LCD, Field of View 80% LED Backlight Resolution: 288 x 220 LCD Frame Rate: Min. 30 frame per sec.
Image Size & Memory	Comes with 8MB Nand Flash Memory 2304 x 1728 pixels (4M), 4 pictures 2048 x 1536 pixels (3M), 8 pictures 1600 x 1200 pixels (2M), 12 pictures 1280 x 1024 pixels (1M), 35 pictures Supported with SD Card (Security Digital Card)
Color	24-bit RGB
Exposure Control	Gain: Auto Compensation: Auto Shutter control: Auto
Lens	Fixed lens with switchable Macro/Normal mode
Focus Length	2 steps, (Macro: 55cm to 80cm, Normal: 160cm to infinity)
Flash Mode	Auto, Off, Force
Self-timer	10 sec. delay
White Balance	Auto, Sun, Shade, Tungsten, and Fluorescent
Compression method	JPEG
USB Connection	USB Connector Type B USB 1.1
PC Camera	Frame rate: About 20 fps CIF USB connection