

VividPro™
Digital Camera

48^{MP}
Max / **2.7"** TFT-LCD

Digital Camera

Instruction Manual

Model #: CAM17SV



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INTRODUCTION

As the new owner of the VividPro™ 48 Megapixel Digital Camera with Auto-Focus Digital Zoom Lens, you have everything you need to take high quality digital photos and videos. Your digital camera can also be used as a removable disk when a SD card up to 64GB is inserted into the camera. Please read this manual carefully in order to get the most out of your VividPro™.

FEATURES AND SPECIFICATIONS

This 48MP Camera includes a choice of photo resolutions:

(48MP) 8000x6000, (30MP) 6400x4800, (24MP) 5600x4200, (18MP) 4896x3672, (16MP) 4608x3456, (8MP) 3264x2448, (7MP) 3072x2304, (5MP) 2592x1944, (2MP) 1600x1200.

- Digital Video Resolutions: 4K, 2.7K, 1080P, 720P
- 2.7 inch TFT-LCD
- 8x Digital Zoom Function
- Scene Selections
- Image Size Selections
- Anti-Shake
- Self-Timer



PACKAGE INCLUDES

- Digital Camera
- SD Card
- Instruction Manual
- QRG (Quick Reference Guide)
- Wrist Strap
- Li-ion Rechargeable Battery
- USB Wall Charger Port with USB Cable
- Protective Pouch

COMPUTER SYSTEM REQUIREMENTS

Windows XP:

- Pentium III Processor or above with Windows XP
- 128MB RAM with 150MB of free disk space
- Available USB Interface
- CD-ROM Drive (Optional)
- 1024x768 Recommended screen resolution
- 16-bit Color or higher display adapter

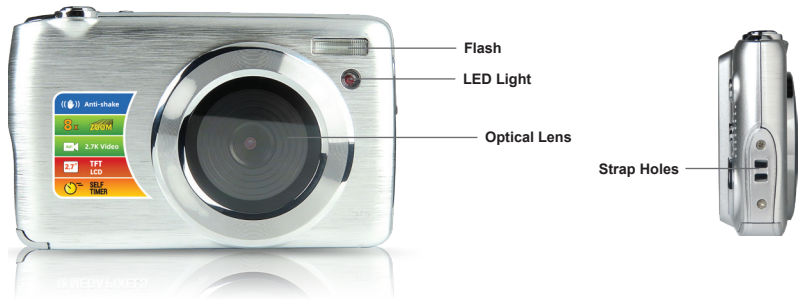
Windows Vista/7:

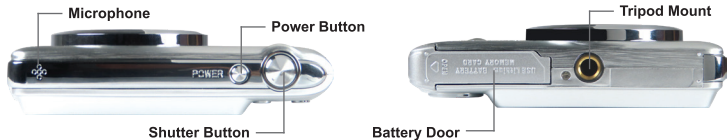
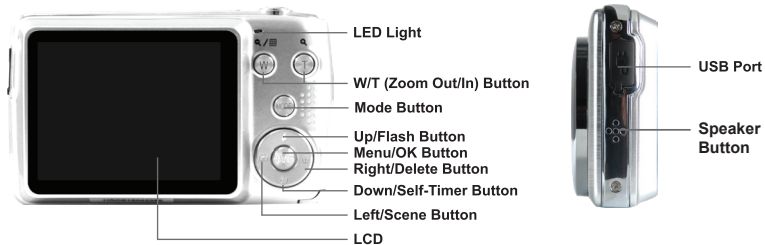
- 800MHz Processor and 512MB of system memory
- 20GB Hard Drive with at least 15GB of available space
- Support for Super VGA Graphics (SVGA)
- Available USB Interface
- CD-ROM Drive (Optional)

Mac:

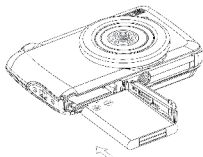
- Power Mac computer G3 500MHz or higher
- Mac OS X version 10.5.x or later
- 128MB or more available RAM (256MB recommended), 150MB free disk space
- 800x600 or higher-resolution monitor displaying millions of colors

A QUICK LOOK AT YOUR CAMERA





INSTALLING RECHARGEABLE BATTERY



Insert with notch as shown



The battery lock

1. Slide the battery door open.
2. Before inserting a battery, the battery lock must be in a pushed-in position: Put a little pressure against the spring tab on the inside left corner of the compartment. This will allow the the battery to slide in. Once the battery is fully inserted, the spring tab will come back up and lock the battery in its compartment (see photo above).
3. Insert the battery correctly with the correct polarity facing up, according to the diagram on the battery.
4. Close and slide the battery door.
5. When camera power is turned on, the battery icon will appear at the bottom right of the screen.



Full battery power



Medium battery power



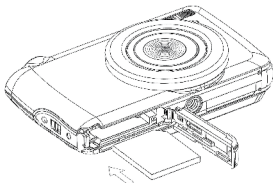
Low battery power

- A “Low Battery” message will flash on the screen when the battery power is insufficient. Shortly thereafter your camera will power off.
- Please remove the battery when you don't intend to use your camera for a long period of time. This can prolong the life of your battery and camera.

INSTALLING SD MEMORY CARD

An external memory card is required for normal use. Your camera supports any compatible SD memory card (up to 64GB).

1. Locate the Memory Card slot at the base of the camera next to the battery compartment.
2. Insert the Memory Card into the slot in the correct direction (see picture below). Do not force it; the card will only go in the correct direction.
3. Push the card in until you feel it “click” into position. The top of the card should be flush with the surface of the camera. An “SD” icon will appear on the LCD screen after you turn on your camera.
4. Once the external memory card is inserted into the camera, all the images taken with the camera will be stored on the card.
5. Please make sure the card is not locked. No images can be saved if the card is locked.



Insert with notch as shown

Please Note:

1. Formatting will delete all data on the SD memory card including protected data.
2. Don't remove the SD card during formatting as this may damage the card.
3. When your card is full, download the photos/videos from the SD card to your computer. Then, you can delete the photos/videos on the SD card to free up space.

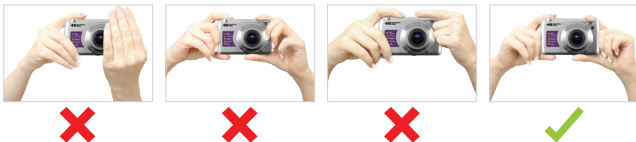
TAKING PHOTOS

1. Compose your photo using the LCD screen.
2. Press and hold the shutter button halfway down to activate the Auto-Focus. Wait for the camera to focus in on the desired object/person. A green frame appears when the object/person is in focus.
3. Holding the camera steady, press the shutter button all the way down to take the photo. You will hear a shutter sound from the camera. The picture will automatically be saved.
4. There will be a short pause while the camera saves a JPEG photo to the memory card. After a photo is taken, (when the camera returns to shooting mode), the number of photos left to shoot at the selected resolution is displayed on the top right of the LCD screen.
 - When the SD card memory (photo capacity) is full, the LCD screen will display a message: "Memory Full - Insert an SD Card". Photos cannot be saved without an SD card.
 - Download the photos to your computer using copy and paste from the SD card to your local drive. Once you have downloaded photos and videos to your computer, you can delete the files from your SD card to create more capacity, or insert another SD card (Class 6 or higher) to continue taking more photos and videos.

HOLDING THE CAMERA CORRECTLY


Hold the camera steady and correctly as shown in the diagram below.

Note: Do not touch or cover the lens while in use.






STARTING YOUR DIGITAL CAMERA




Power On: Press the power button on the top of the camera to turn the camera on. The LCD will light up and there will be a “beep” sound.

Power Off: Press the power button again to turn off your camera. When there is insufficient battery power, a red icon  will appear on the LCD screen. Your camera will automatically power off after a few seconds.

Mode Selection: This digital camera has 3 main modes: Camera Mode, Video Mode and Playback Mode.

-  Camera Mode is to take still photos and adjust camera settings.
-  Video Mode is to take videos and adjust video settings.
-  Playback Mode is to preview photos/videos and adjust photo/video files.

In order to select a mode:

1. When the camera is powered on, it will be in the Camera Mode (default).
2. Press the Mode button repeatedly to select one of the 3 modes.
3. The Camera Mode will have a  icon on the top left corner of the LCD screen, the Video Mode will have a  icon and the Playback Mode will have a  icon.

DIGITAL ZOOM

You can magnify your subject/object even more by using the 8x digital zoom. Press and hold the T button to zoom in and press W button to zoom out.

SHORTCUT BUTTONS

The camera has the 4 shortcut buttons on the Menu dial for quick access to the following settings: Scene (Left button), Self-Timer (Down button), Delete (Right button), and Flash (Up button). Press the relevant button to activate shortcuts.

Shortcut to Flash (Up Button):

In low light conditions, it is best to use the built-in flash. You can also use the flash to compensate for backlight conditions. Remember, that if the battery is low the Flash option may not be available.

1. Press the Flash/Up button.
2. The Auto Flash (⚡A) icon will appear on the screen. This will activate the flash, as needed.
3. After each use, an LED will begin blinking indicating that the flash is charging.
4. Press the Flash/Up button again for the Manual Flash (⚡) icon to appear. This means the flash will always be on. If the flash is not ready, an LED and an icon will blink. Wait until the flash is charged before taking a photo.
5. Press the Flash/Up button until the (ⓧ) icon appears again. This means the flash is turned off. This is the default flash setting.

Shortcut to Turn Display Icons On/Off (Mode Button):

1. Press and hold the Mode button to turn the icons on or off on the display. When the icons are turned off, the Menu button will not work; however, you can still take pictures and record videos.
2. Press and hold the Mode button again to display the icons.

Note: When you turn the power on, the icons will appear (default).

A “Low Battery” warning with 1 bar will appear if there is insufficient battery power to operate the flash.

Shortcut to Scenes (Left Button):

There are 9 different scene options that appear on the screen. Choose any of these modes to activate settings for different lighting/environmental conditions.

1. Press the Scene/Left button.
2. Press Up/Down to select from the 9 different scene options: Auto, Sport, Night, Portrait, Landscape, Backlight, Party, Beach, High Sensitivity.
3. Press the Menu Button to select the desired Scene.


Shortcut to Self-Timer (Down Button):

There are four different self-timer options to choose from. The self-timer allows you to position everyone before the photo is taken.

1. Press the Self-Timer/Down button.
2. Keep pressing to select from the 4 desired self-timer options: Off, 2 seconds, 5 seconds, 10 seconds.

Shortcut to Delete (Right Button):

The Delete button can be used to delete single photos or videos.

1. Press Delete/Right button ().
2. A Delete confirmation message will appear on the screen with Yes or No options.
3. Press Up/Down button to choose Yes to delete or No to cancel.
4. Press the Menu button to confirm. If you select Yes, the selected image will be deleted.

CAMERA MODE

The available Camera Mode menus are: Mode Set, Photo Resolution, Beauty Face, Anti-Shake, Face Detect, Smile Capture, Multi-Snapshot, Self-Timer, Date Stamp, Setup.

Mode Set (Scene Selection):

This camera supports that allows you to choose an ideal environment for your photo.

1. Press the Menu button.
2. Press Right/Left button to select the Mode Set.
3. Press Up/Down to select from the 9 different scene options: Auto, Sport, Night, Portrait, Landscape, Backlight, Party, Beach, High Sensitivity.
4. Press the Menu Button to select the desired Scene.

Photo Resolution:

Image size settings determine the quality and number of photos that can be saved and the amount of memory required for each photo. The higher the photo quality, the more memory is used. The image size and quality will also affect the maximum size of your prints.

1. Press the Menu button.
2. Press Right/Left button to select the photo resolution menu.
3. Press Up/Down to select photo resolution:
(48MP) 8000x6000, (30MP) 6400x4800, (24MP) 5600x4200, (18MP) 4896x3672, (16MP) 4608x3456, (8MP) 3264x2448, (7MP) 3072x2304, (5MP) 2592x1944, (2MP) 1600x1200.
4. Press the Menu button to confirm, save and exit the Menu mode.
5. The selected size icon will appear at the top of the LCD screen.



Beauty Face:

This camera supports "Beauty Face" that allows you to take the best portrait shots.

1. Press the Menu button.
2. Press Right/Left button to select the Beauty Face icon.
3. Press Up/Down button to select On/Off.
4. If you select "On", press the Menu button to confirm and the icon will appear on the screen. If you select "Off" and press the Menu button to confirm, the camera will save and exit the Menu mode.



Anti-Shake:

This option helps prevent blurry photos resulted from shaking during shooting. You don't need a tripod for stabilization.

1. Press the Menu button.
2. Press Right/Left button to select the Anti-Shake icon.
3. Press Up/Down button to select: On/Off.
4. Press the Menu button to confirm. This icon will appear on the LCD screen when on.



Face Detect:

This camera supports face detect to help you take great portraits.

1. Press the Menu button.
2. Press Right/Left button to select the **Face Detect** icon.
3. Press Up/Down button to select: On/Off.
4. Press the Menu button to confirm. This icon will appear on the screen when Face Detect is on.



Smile Capture:

1. Press the Menu button.
2. Press Right/Left button to select the **Smile Capture** icon.
3. Press Up/Down button to select On/Off.
4. Press the Menu button to confirm.

Note: Once you use “Self Timer”, the “Smile Capture” function will turn off automatically.



Multi-Snapshot:

Take up to 3 photos continuously, even if pressing the Shutter button only once.

1. Press the Menu button.
2. Press Right/Left button to select the **Multi-Snapshot** icon.
3. Press Up/Down button to select: On/Off.
4. Press the Menu button to confirm.



Self-Timer:

This camera has a self-timer feature to delay the time the camera takes to shoot the photo:

1. Press the Menu button.
 2. Press Right/Left button to select the **Self-Timer** Menu.
 3. Press Up/Down button to select: Off, 2 seconds, 5 seconds, 10 seconds.
 4. Press the Menu button to confirm and return to Camera Mode.
 5. The Self-Timer icon will appear at the top of the screen; the LED will flash the delay time you chose.
- To activate timer, lightly press the Shutter Button to focus, then press the Shutter Button further to begin timer.

Date Stamp:

This option will display or not display the date and time on a photo.

1. Press the Menu button.
2. Press Right/Left button to select the **Date Stamp** menu.
3. Press Up/Down button to select: Off, Date only, Date & Time. Press the Menu button to confirm.
4. If you select "Date" the date will print on the photos. If you select "Date & Time" the date and time will print on the photos. If you select "Off", neither the date nor time will print on the photos.

SETUP MENU

There are 13 settings in the setup menu. These include: Exposure, ISO, White Balance, Sharpness, Quality, Set Date, Power Save, Language, Light Frequency, Sound, Format, Default Setting, Cancel.

Exposure:

This setting allows you to adjust the brightness of images.

1. Press Up/Down button to select "**Exposure**" in the Setup Menu.
2. Press Menu to enter the submenu.
3. Press Up/Down button to select an exposure value (between +3 to -3).
4. Press the Menu button to confirm and return to Photo Mode. The exposure icon will display on the screen.

ISO:

This is a special function that allows you to enhance the light conditions if no flash or tripod are being used. But remember, flash and tripod are better choices than ISO. When you want to adjust the ISO sensitivity, set a low value ISO to prevent hot or light spots (facula) on the photos.

1. Press Up/Down button to select **ISO** in Setup menu.
2. Press Menu button to enter the ISO submenu.
3. Press Up/Down button to select: Auto, 100, 200, 400.
4. Press Menu button to confirm and return to Photo Mode. An ISO icon will display the setting at the bottom of the screen.

White Balance:

This setting allows the camera to adjust the color of your photos according to the color of the light source.

1. Press Up/Down button to select **White Balance** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select: Auto, Daylight, Cloudy, Tungsten, Fluorescent.
4. Press Menu button to confirm and return to Photo Mode.

Sharpness:

This setting allows you to adjust the sharpness of your images.

1. Press Up/Down button to select **Sharpness** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select: Soft, Normal, Vivid.
4. Press Menu button to return to Photo Mode.

Quality:

The quality of your photos affects the number of photos you can take. Super Fine quality allows you to take fewer photos, but the photos will be at better quality.

1. Press Up/Down button to select **Quality** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select: Super Fine, Fine, Normal.
4. Press Menu button to confirm and return to Photo Mode. The corresponding Quality icon will appear on the LCD screen bottom.

Set Date:

This allows you to set up the date and time format displayed on the photos.

1. Press Up/Down button to select **Date & Time** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Right/Left button to highlight and select the format Year, Month, Day, Hour, Minute, Second, Date Format (selecting the date format you desire).
4. Press Up/Down button to change the value of highlighted selections.
5. Press Menu button to confirm and return to Photo Mode.

Power Save:

The camera will be automatically powered off if idle for 3 minutes (default setting).

To change the time to power off:

1. Press Up/Down button to select **Power Save** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select: Off, 1 Minute, 3 Minutes, 5 Minutes, 10 Minutes.
4. Press Menu button to confirm and return to Photo Mode.

Note: If "Off" is selected, the camera will not power off until the battery power is used up or turned off manually.

Language:

There are multiple languages to choose from (the default is English).

1. Press Up/Down button to select **Language** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select the language desired: English, Deutsch (German), French, Spanish, Italian, Русский (Russian), Thai, Portuguese (Brazil), Netherlands (Dutch), Simplified Chinese, Traditional Chinese, Japanese.
4. Press Menu button to confirm and return to Photo Mode.

Light Frequency:

For U.S. customers, use 60Hz.

1. Press Up/Down button to select **Light Frequency** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select 60Hz/50Hz.
4. Press Menu button to confirm and return to Photo Mode.

Sound:

You can turn off the sound indicators (default is on).

1. Press Up/Down button to select **Sound** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select Off/On.
4. Press Menu button to confirm and return to Photo Mode.

Format:

Please operate with caution. Once formatted, all the files on the memory card will be irreversibly deleted, including protected files. Please transfer images and videos or any other important files to your computer before formatting.

1. Press Up/Down button to select **Format** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select Yes or No.
4. Press Menu button to confirm.

Default Settings:

If camera settings are in disarray, you can reset to the camera's default settings:

1. Press Up/Down button to select **Default Setting** in Setup menu.
2. Press Menu button to enter the submenu.
3. Press Up/Down button to select: Yes (resets to default) or No.
4. Press No to exit.
5. Press Menu button to confirm.

Cancel:

To quit the menu, select it in the Setup menu and press the Menu button to exit.

VIDEO MODE

Press the Mode button to select **Video Mode**. You must insert an SD memory card to shoot videos.

When the  icon appears on the top left corner of the LCD screen, this indicates that you are in Video Mode.

1. Prepare the object or subject you wish to record.
2. Press the shutter button to begin shooting the video.
3. The elapsed time will appear on the top right of the LCD screen. The indicator light will keep flashing.
4. Press the shutter button again to stop the recording and save this file in AVI format.

Playback and Saving Videos:

- Preview AVI files in Playback mode or once downloaded to your computer by using QuickTime or Windows Media Player.
- This camera records a video and audio.

Video Mode Menu

In the Video Mode Menu there are 3 options: Video Resolution, Date Stamp, Setup. Power on the camera and press the Mode button once to enter Video Mode.

Video Resolution:

Your camera supports 4 video resolutions:

1. Press Menu button.
2. Press Left/Right button to select **Video Resolution**.
3. Press Up/Down button to select a size option: 4K (3840x2160) @10fps, 2.7K (2688x1520) @20fps, FHD (1920x1080) @30fps, HD (1280x720) @30fps
4. Press the Menu button to confirm, save and exit the menu. The size icon will appear at the top of the screen.


Date Stamp:

This is to set whether date and time on the video are displayed: Off, Date, Day, Time.

Setup:

The operation instructions about Setup are same as in camera mode.

PLAYBACK MODE

Press the Mode button to enter the Playback mode. When the icon ► (photo) or ►  (video) appears in the upper left corner of the LCD screen, the camera is in Playback Mode. Now, you can playback photos and videos in your camera. In Playback mode, you can rotate, protect, delete or crop your photos, and protect or delete videos.

Note: The message “ No Image” will be displayed on the LCD screen if there are no photos in the camera. Press the Mode button to return to Photo or Video Mode.

Thumbnail Display:

1. When the camera is in playback mode, press W and your thumbnail library will appear on the screen.
2. Press Up/Down/Left/Right button and select a photo or video thumbnail.
3. Press the Menu button to display the photo or video in full screen.

Zoom In or Out of a Photo:

1. Select a JPEG photo.
2. The icon ► will display in the top left corner of the screen.
3. Press the T button multiple times to zoom into the photo.
4. Press Up/Down/Left/Right button to navigate around the photo.
5. Press the W button to zoom back out.

EDITING


You can rotate, protect, delete or crop a single still photo or you can protect and delete a single video.

Rotating Images (Photos Only):

1. Press the Menu button in Playback Mode.
2. Press Left/Right button to select the rotate icon.
3. Press Up/Down button to select a Rotate option: 90°, 180°, 270°, Cancel.
4. Press the Menu button to confirm.

You cannot rotate a protected file. If attempting to rotate a protected file, "File Protect" will display on the screen.

Protecting Photos and Videos:

1. Press the Menu button in Playback Mode.
2. Press Left/Right button and select the  icon.
3. Press Up/Down button to select: Write-protect current file, Write-protect all files, Unlock current file, Unlock all files, Cancel.
4. Press the Menu button to confirm. The lock icon will appear on the screen if you selected "Lock".


Deleting Photos and Videos:

Delete unwanted photos and videos at any time to release more memory. You can delete one image or video clip at a time, or delete all the unprotected photos and videos that are currently stored on the memory card.

1. Press Menu button in Playback mode.
2. Press Right/Left button to select **Delete**  icon.
3. Press Up/Down button to select: Delete current file, Delete all files, Cancel.
4. Press Menu button to confirm. The screen will show " Please Wait".

Crop Images (Photos Only):

Crop your photos and save the cropped part as a new photo.

1. Press the Menu button in Playback mode.
2. Press Right/Left button to select **Crop**  icon.
3. Press Up/Down button to select: Crop/Cancel.
4. Press Menu button to enter the submenu; a blue rectangle will pop up.
5. Press Up/Down/Left/Right button to select the area you want to crop.
6. Press the W/T button to make the rectangle crop area larger or smaller.
7. Press Menu/OK button to confirm the Crop or Cancel.
8. Press Menu/OK to save the new cropped image and "Saving" will appear on the screen.

Playing AVI Video Files:

1. In Playback mode, press Left/Right button to select an AVI video file or press the W button to enter the thumbnail library, and select a video. From the thumbnail library, press the Menu button for the selected video to appear in full screen.
2. Press Shutter button to Play the current AVI file.
3. During the video playback, you can press the Up/Down buttons to adjust the volume.
4. Press Menu button to pause; press it again to continue playing.
5. Press Shutter button to stop playing.

DOWNLOADING PHOTOS AND VIDEOS TO YOUR COMPUTER

1. Connect your camera to the computer with a USB cable.
2. Turn on the camera. A USB connection icon will appear on the screen.
3. Your computer will automatically recognize the USB connection.
4. Open the removable disc folder "DCIM".
5. Select "100MEDIA" subfolder.
6. Select the files you want to transfer to your local hard drive.
7. Once you have copied the files you want, you can delete them to free up space on the SD card.
8. Properly remove the USB cable to disconnect.

SPECIFICATIONS

Image Sensor	8MP CMOS Sensor
Image Resolution	(48MP) 8000x6000, (30MP) 6400x4800, (24MP) 5600x4200, (18MP) 4896x3672, (16MP) 4608x3456, (8MP) 3264x2448, (7MP) 3072x2304, (5MP) 2592x1944, (2MP) 1600x1200.
Video Resolution	4K, 2.7K, 1080P, 720P
File Formats	JPEG (Still Image), AVI (Video)
Speaker	Yes
External Memory	HCSD Class 6 or Higher Card (up to 64GB)
Screen	2.7 inch TFT-LCD
Zoom	8x Digital Zoom
Exposure	-3.0EV ~ +3.0 EV
White Balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent
ISO	Auto, 100, 200, 400
Scene	Auto, Sport, Night, Portrait, Landscape, Backlight, Party, Beach, High Sensitivity

Flash	Auto Flash (flashes as needed), Manual Flash (flash always on), No Flash
Self-timer	Off, 2 seconds, 5 seconds, 10 seconds
Interface	USB 2.0
System Requirements	Windows XP, Vista/7, Mac
Battery	Lithium-Ion



Product Registration Instructions

Visit: www.HamiltonBuhl.com

1. Click on Customer Care
2. Click on Product Registration Form
3. Please fill out all fields marked with * to register your product



Warranty

Warranty begins the date item ships from our warehouse. All products have a one year warranty from original date of shipment, unless otherwise noted.

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