AGFAPHOTO

User Manual

OPTIMA 147

WARNING

Do not expose the camera battery pack or other accessories to rain or humidity to prevent fire hazard or electric shock.

For customers in the U.S.A.

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

FCC 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.

For customers in Europe

"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" marked cameras are intended for sales in Europe.

This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the European countries. Please do not throw the equipment into the domestic refuse. Please use the return and collection systems available in your country for the disposal of this product.

Declaration of Conformity

Model Name: OPTIMA 147

Trade Name: AgfaPhoto

Responsible Party: RedDot Imaging

Address: RedDot Imaging, 2275 NW 84thAve, Doral, FL 33122.

Customer Care Hotline:

Service & Repair Hotline (USA):
1-855-243-2937 (from a landline only)

Service & Repair (UK):
+44 1908 488676

Online Service / International contact:
customersupport@reddotimaging.com

For repair and service in all other countries, please refer to the warranty pamphlet for additional information.

SAFETY PRECAUTIONS

Camera notes:

- Do not store or use the camera in the following types of locations:
  - In the rain, very humid and dusty places.
  - In a place where the camera can be exposed directly to the sunlight or subject to high temperature, e.g. Inside a closed car in summer.
  - In a place where the camera is subject to a high magnetic field, e.g. near motors, transformers or magnets.
- Do not place the camera on a wet surface or places where dripping water or sand may come in contact with the camera, which may cause irrepairable faults.
- If the camera will not be used for a long period of time, we suggest you remove the battery and the memory card from the camera and keep them in dry environment.
- If you carry the camera suddenly from a cold location to a warm place, moisture may condense inside the camera. We suggest you wait for a while before turing on the camera.
- No compensation for loss of recordings. Loss of recordings cannot be compensated for if a malfunction of your camera or recording media, etc, makes the playback of recordings not possible.

Battery notes:

- Incorrect use of the batteries may cause them to leak, become hot, ignite or burst. Always observe the precautions given below.
  - Do not expose the batteries to water, and take particular care to keep the terminals dry.
  - Do not heat the batteries or throw them into a fire.
  - Do not attempt to deform, disassemble or modify the batteries.
- Keep the batteries out of reach of babies and small children.
- In cold locations, battery performance deteriorates and the time for which they can be used shortens markedly.

Memory card notes:

- When using a new memory card, or a memory card has been initialized by a PC, be sure to format the card with your digital camera before using it.
- To edit image data, copy the image data to the PC's hard disk first.
- Do not change or delete the folder names or file names in the memory card from your PC, as this may make it impossible to recognize or misinterpret the original folder or file in your camera.
- The photos taken by this camera are stored in the auto-generated folder in SD card. Please do not store photos that are not taken by this model of camera, as this may make it impossible to recognize the picture when the camera is in playback mode. Please do not expose the camera to harsh environments such as moisture or extreme temperatures, which may shorten the life of your camera or damage the batteries.

BEFORE YOU START

Preface

Thank you for purchasing this AgfaPhoto digital camera. Please read this manual carefully and keep it in a safe place for future reference.

Copyright

© Copyright 2011 RedDot Imaging All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form, by any means, without the prior written permission of RedDot Imaging

Trademarks

All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners.

Safety information

Please read the following important information carefully before using the product.

- Do not take apart or attempt to service the camera yourself.
- Do not drop or knock the camera. Improper handling may damage the product.
- Turn off the camera before inserting or removing the battery and memory card.
- Use only the type of battery that come with the camera. Using other types of batteries may damage the camera and invalidate the warranty.
- Do not touch the camera lens.
- Please not expose the camera to harsh environments such as moisture, or extreme temperatures, which may shorten the life of your camera or damage the batteries.
- Do not use or store the camera in dusty, dirty, or sandy areas, as its components may be damaged.

- Do not expose the lens to direct sunlight for extended periods.
- Download all pictures and remove the batteries from the camera if you are going to store the camera for long periods of time.
- Do not use abrasive cleansers, alcohol-based, or solvent-based cleaners to clean the camera. To clean, wipe the camera with a slightly damp soft cloth.

About this manual

This manual provides you with instructions on how to use your AgfaPhoto digital camera. Every effort has been made to ensure that the contents of this manual are accurate, however RedDot Imaging reserves the right to make changes without notice.

Symbols used in this manual

Throughout this manual, the following symbols are used to help you locate information quickly and easily:

Indicates the useful information to know.

Indicates precautions to be taken while operating the camera.

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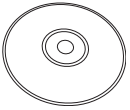
Unpacking

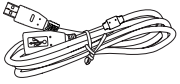
Your package should contain the camera model you purchased along with the following items. If anything is missing or appears to be damaged, please contact your vendor.

Warranty Card

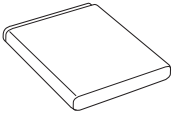


CD-ROM

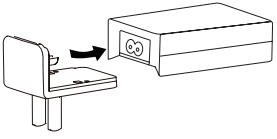
Wrist Strap



USB Extension Cable



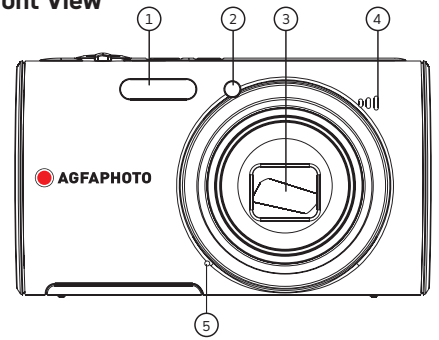
Rechargeable lithium-ion battery



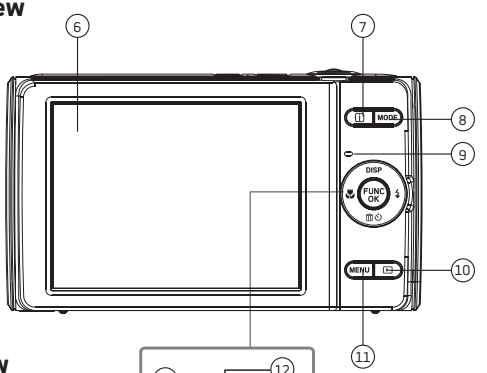
AC adapter

Camera Views

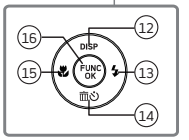
Front View



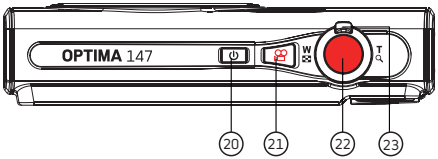
Back View



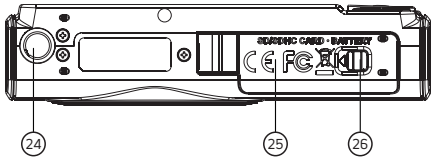
Right View



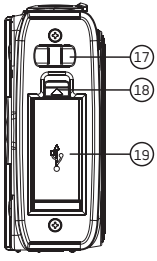
Top View



Bottom View



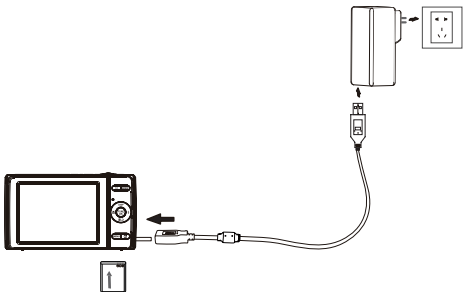
Left View



1	Flash Lamp	14	Delete Button/Self-timer Button/Down Button
2	AF Assist/Timer Indicator	15	Macro/Left Button
3	Lens	16	Function/OK Button
4	Speaker	17	Wrist Strap Mount
5	Microphone	18	USB interface switch
6	LCD Screen	19	USB interface
7	i Function Button	20	Power Button
8	Mode Button	21	Movie Button
9	Status Indicator	22	Shutter Button
10	Playback Button	23	Zoom Wheel
11	Menu Button	24	Tripod Socket
12	Disp/Up Button	25	Card Slot/Battery Compartment
13	Flash Mode/Right Button	26	Memory card/Battery slot switch

Charging the Battery

1. Put the battery into the camera.
2. Use USB cable to connect the camera with power adapter.
3. Insert power adapter to power socket.

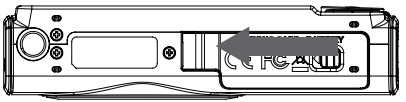


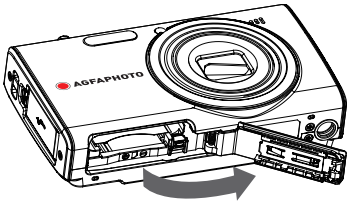
When charging, if the camera indicator is red the camera is still charging. When the camera completes charging, the light will turn green. To optimize battery life, please charge the battery for at least 4 hours before using it for the first time.

The charger is for indoor use only.

Insert the Battery and SD/SDHC Card (Not included)

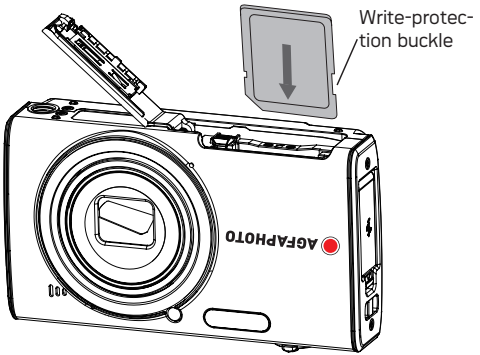
1. Open the battery compartment.



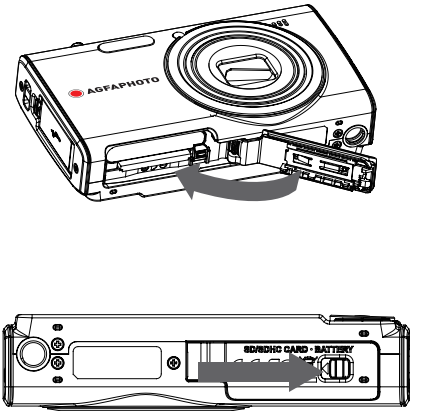


2. Insert the battery into the battery slot in the correct position as shown in the following diagram.

3. Insert an SD/SDHC card (not included) into the memory card slot as shown.



4. Close the battery compartment.



Optional SD/SDHC cards are not included. The use of 64 MB to 32 GB memory cards from recognized manufacturers such as SanDisk, Panasonic and Toshiba is recommended for reliable data storage.

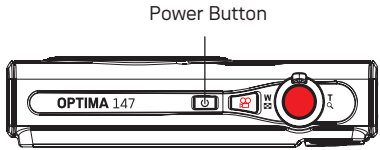
To remove the SD/SDHC card, open the battery compartment and gently push the card to release it. Pull the card out carefully.

When selecting Full size (1280X720) to record video, please use High Speed Card (above Class 4).

When taking video, if "Memory card accessing is slow" on the LCD screen, please select High Speed Card or format this card, then take video

Turning On and Off

Press the Power button to turn the camera on. To turn off the camera, press the Power button again.



When the camera is turned on, it will be at the same shooting mode based on the last use. You can turn the Mode Dial on the top to select. When using the camera for the first-time, the language setting page will appear.

Mode Button Operation

The AgfaPhoto camera features a convenient mode button that allows for easy mode selection. All available modes are listed as follows:

Mode Name	Icon	Description
Auto mode		Switch to take still pictures in automatic mode.
Manual mode	M	Many of the camera settings can be configured manually in this mode.
Panorama mode		In this mode, up to 3 frames can be stitched together to create panoramic photo.
Stabilization mode		Switch to take still pictures by reducing the blurs caused by hand shake, under low luminance, or slow shutter speed.
Scene mode	SCN	Choose from 20 different scene types and effects for your photos.
Movie mode		Switch to record videos.
ASCN mode	ASCN	Switch to have the camera automatically select the best scene type for still pictures.
Portrait		Switch to take portrait pictures under normal condition.

Setting Date/Time and Language

The Date/Time and Language setup will automatically appear when the camera is turned on the first time.

To set the display language, date, and time, go to the following setup options in the General Setup menu.

- Language
- Date / Time

To access the **Setup** menu, do the following:

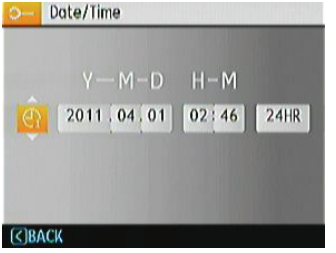
1. Press **Power** to turn the camera on.
2. Press the MENU button, navigate through the camera menus by using the Left/Right button to select the General Setup menu.

Setting the Language

1. Select language with the Down button, press FUNC OK or right button to enter setting.
2. Use the **Up/Down/Left/Right** buttons to select the desired language.
3. Press the FUNC OK button to confirm the setting.

Setting the Date and Time

1. Select Date/Time with the Up/Down button, then press (FUNC OK) or right button to enter setting.
2. Use the Left/Right button to select date or time field, then press Up/Down buttons to adjust values.
3. Press the (FUNC OK) button to confirm the setting.



About the LCD Screen

When you turn the camera on, various icons are shown on the LCD screen to indicate the current camera settings and status. To learn more about the displayed icons, see "**LCD Screen display**" on page 27.

LCD Screen notes:

Extremely high-precision technology had been used to manufacture the LCD screen so that most of the pixels are operational for use. However, there may be some minute points (black, white, red, blue or green) that constantly appear on the LCD screen. These points are normal in the manufacturing process and the recording is not affected in any way.

Avoid exposing the LCD screen to water; please remove any moisture on the LCD screen with dry and soft cleaning cloth.

If the LCD monitor is damaged, take particular care with the liquid crystal in the monitor. If any of the following situations arise, take the recommended immediate action indicated below:

- If liquid crystal comes in contact with your skin, wipe the area with a cloth and then wash thoroughly with soap and running water.
- If liquid crystal flows into the eyes inadvertently, please rinse with water immediately and seek medical assistance.
- If liquid crystal is swallowed, flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance immediately.

Shooting in Auto Mode

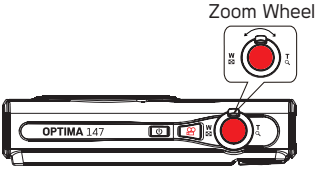
Auto mode is the easiest mode to take photos. While operating in this mode, the camera automatically optimizes your photos for best results.

To start shooting, do the following:

1. Press **Power** to turn the camera on.
2. Press the Mode button to select Automatic mode [AUTO].
3. Compose your picture on the LCD screen and press the Shutter button halfway to focus on the subject.
4. The LCD screen will show green focus frame after the subject is in focus.
5. Press **Shutter** fully to capture the image.

Using the Zoom Function

There are two built-in zoom functions: optical zoom and digital zoom. When taking photos, you can zoom in or out on an object using the zoom wheel.



Zoom indicator (See "Digital Zoom" on page 47)

Optical zoom is initially used until it reaches the maximal threshold. Thereafter, it will switch over from optical to digital zoom. After adjusting, the zoom axis display will be hidden, only 🔍 will be displayed to indicate the current zoom status.

Flash

Press Right/Flash button to enter the flash interface, then press Left/Right button to switch among six different flash modes:

- Flash: Forced off

  Flash is turned off.

- Flash: Forced flash

  Make forced flash at the moment of shooting.

- Flash: Slow Synchro

  This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop.

- Flash:Red-Eye+Slow Synchro

  Using this mode for slow synchro shots with red-eye reduction.

- Flash: Red-eye reduction

  The camera exposes a brief flash before the picture is taken to reduce red-eye effects.

- Flash: Auto

  Camera flash goes on automatically based on existing light conditions.

Self-timer

To enable self-timer function, press Down/Self-timer button to enter the self-timer selection interface, press Left/Right button to switch among three self-timer modes:

- Self-timer : Off

  Disable the self-timer.

- Self-timer : 2 Sec

  A single picture is taken 2 seconds after the Shutter button is pressed.

- Self-timer : 10 Sec

  A single picture is taken 10 seconds after the Shutter button is pressed.

Macro Mode

Press the Left/Macro button to enter the close-up photo selection interface, press the Left/Right button to switch between two close-up shooting modes:

- Macro : On

  Select this to focus on subjects 5cm from the lens.

- Macro : Off

  Select this option to disable Macro.

i button function

In Shooting mode, pressing [i] key can select the functions of face detection and smile shooting.

1. Press [i] key to enter function menu.

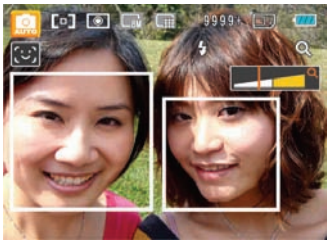
2. Press Left/Right button to select the function that you need to set.
3. Press [i] button to enable this function and quit the menu.

For face and smile detection, only one option can be activated at a time.

Face Detection

This function automatically detects facial features and directs the camera to focus on them.

In face detection mode, when you slightly hold the shutter button halfway, the camera will automatically detect faces and display a rectangular focus frame around them. The focus frame will turn green to indicate that the face or faces are in focus. Press the shutter button the rest of the way to take the picture.



Smile Detection

When this feature is activated, the camera will automatically detect smiling faces and capture them.

After enabling the Smile Detection mode press the shutter button all the way down and the following icons will appear:

The camera will automatically take a photo each time a smile is detected until the Smile Detection mode is disabled.

To disable Smile Detection, press the ⓘ button.

Blink Detection

The blink detection feature is on by default. After taking each photo, if a face is detected with their eyes closed, the blink detected icon ( ) will display on the screen.

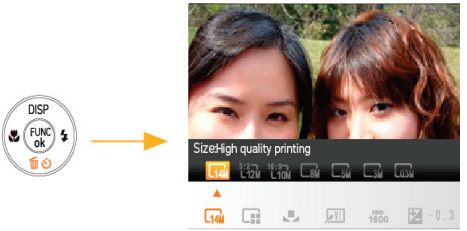
Advanced Functions Menu

The Advanced Functions menu of the camera includes image size, image quality, white balance, image color, ISO and EV value. These customized settings will allow you to capture pictures and videos with optimal results.

Set the advanced functions with the following steps:

1. Pull up the Advanced Function Menus by pressing (FUNC OK) button.

2. Press the Down button to enter the advanced functions selection screen, press Left/Right button to select the function that you want to set.
3. Press the Up button to enter the advanced functions setting interface.



4. Use the Left/Right buttons to change the settings and then press (FUNC OK) to confirm the new settings and close this Advanced Function Menu.

WB (White Balance)

The White Balance allows you to adjust the color temperature under different light source to ensure correct color reproduction. (The WB setting is only available when the camera is in the **M Manual** mode).

The options of White Balance include:

- WB : Auto
- WB : Daylight
- WB : Cloudy
- WB : Fluorescent
- WB : Fluorescent CWF
- WB : Incandescent
- WB : Manual (Press the shutter button to set WB)

ISO

The ISO function allows you to set the sensitivity of the camera sensor based on the brightness of the scene. To improve the performance in darker environments, a higher ISO value is required. On the other hand, a lower ISO value is needed when in bright conditions. (The ISO setting is only available when the camera is in the **M Manual** mode).

Pictures at higher ISO will naturally have more noise than those at lower ISO.

The options of ISO include automatic, 64, 100, 200, 400, 800 and 1600.

Quality

The quality setting adjusts the compression ratio of the images. Higher quality settings give better photos, but will take up more memory space.

The picture quality of image has three options:

- Quality : Best
- Quality : Fine
- Quality : Normal

Size

The size setting refers to the image resolution in pixels. A higher image resolution allows you to print that image in larger sizes without degrading the image quality.

The larger the number of pixels, the better the image quality. However, it will take up more space. The opposite will be true also.

Color

The color setting allows you to add artistic effects directly when taking pictures. You can try different color tones to alter the mood of your pictures. (The Color setting is only available when the camera is in the **M** **Manual** mode).

The color options include:

- OFF Color : Auto
- VI Color : Vivid
- BW Color : Black & White
- SE Color : Sepia

Exposure Compensation

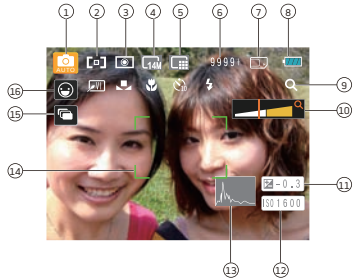
The exposure compensation allows you to adjust the light exposure value to optimize photo.

The adjustable range of exposure value is from EV -2.0 to EV+2.0.

LCD Screen Display

Still Picture Mode Display

Mode: AUTO M ASCN SCN



1 Shooting Mode Icons

- Auto mode
- Manual mode
- ASCN mode
- Scene mode
- Stabilization mode
- Portrait
- Panorama mode

2 AF Mode

- Single-AF
- Multi-AF

3 Expo Metering

- Spot
- Center
- AiAE

4 Image Size

5 Image Quality

6 Remaining number of pictures
7 Memory card/built-in memory
8 Battery Status
9 WT Ratio (Displayed only when zoom is activated)
10 Zoom
11 Exposure
12 ISO Value (Adjustable only in M Manual Mode)
13 Histogram
14 Focus Frame
15 Continuous Shot
16 Face Detection
17 Picture Color (Adjustable only in M Manual Mode)
18 White Balance (Adjustable only in M Manual Mode)
19 Macro Mode
20 Self-timer

Self-time : 2-sec

Self-time : 10-sec

21 Flash Mode

Flash : Forced off

Flash : Forced flash

Flash : Slow Synchro

Flash : Red-Eye + Slow Synchro

Flash : Red-eye reduction

Flash : Auto

Video Shooting Mode Display

Mode :

1 Video Mode icon
2 Continuous AF
3 Metering

Spot

Center

AiAE

4 Video Quality
5 Macro Mode
6 Self-timer

Self-time : 10-sec

7 Remaining Time for Video Recording
8 Memory Card/Built-in Memory
9 Battery Status
10 WT Ratio (Displayed only when zoom is activated)
11 Zoom
12 Exposure
13 Recording Status Icon

Recording standby

Recording

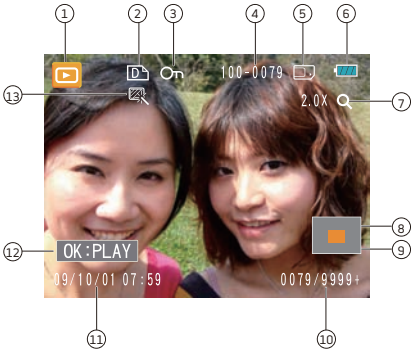
For optimal video shooting, it is recommended that an SD card be used. Recording videos with the internal memory jitter and noise may appear on the image.

HD recording time limited to below 29min.

During video recording the 7x optical zoom and 6x digital zoom are available.

Playback mode display

Mode: ▶



1 Play Mode icon
2 Picture File
3 File protection
4 Picture Number
5 Memory Card/Built-in Memory
6 Battery Status
7 Image Zoom
8 Zoom Magnification Area Indicator
9 Total Image Area
10 Memory Space (this picture/Total number of pictures)
11 Recording Date and Time
12 OK:PLAY
13 DPOF file

ASCN mode

In the "**ASCN**" mode, different recording conditions are detected automatically and the most suitable settings will be selected. With "ASCN" you can always take good pictures easily.

To use "ASCN":

1. Press mode selection button to select ASCN mode, press (FUNC OK) button to enter ASCN mode, LCD screen will display the detection scene icon shown as following figure:

2. Hold the camera steadily and aim at the subject. The optimum scene mode will be identified automatically.
3. Press the Shutter button halfway down to focus.
4. Press the Shutter button all the way down to take the picture.

Icon	**Mode name**	**Icon**	**Mode name**
	Landscape Mode		Night Landscape Mode
	Portrait Mode		Macro Mode
	Night Portrait		Auto Mode
	Backlit Portrait		

Landscape Mode

For landscapes, ASCN will automatically adjust the exposure to match the background.

Portrait Mode

For portraits, ASCN will automatically adjust the exposure and skin tones to give clear pictures.

Night Portrait

When you shoot portraits at night, or in low light conditions, ASCN will automatically adjust the exposure for people and night scenes.

Backlit Portrait

When the sun or any other light source is behind you, ASCN will automatically adjust the foreground exposure to produce good pictures.

Night Landscape Mode

For night scenes, ASCN will automatically increase the ISO value to compensate for low light.

Macro Mode

To capture object detail for close-ups, ASCN will automatically adjust the focus.

Auto Mode

The camera will automatically adjusts the exposure and focus to ensure good pictures.

Panorama mode

Panorama Mode allows you to create a panoramic picture. The camera will automatically compose a panoramic picture using the individual shots that you take.

Follow these steps to create a panoramic picture:

1. Press Mode button, use Left/Right button to select Panorama mode, then press (FUNC OK) button to enter Panorama mode for shooting.
2. Use Left/Right button to select the direction for starting to shoot, press (FUNC OK) button to enter Shooting mode; if no selection is made after 2 seconds, the camera will default to left to right.
3. After the first shot is taken, two target icons will appear on the left and right side of the LCD screen. Pan the camera and the circle icon on the screen will move towards the square frame icon. When the circle icon and square frame connects, it will turn green and the camera will take the picture automatically. Repeat the same step for the third picture to finish the stitching.

The camera will then stitch the pictures into a panorama automatically. Press the playback button to enter Playback mode and review the panorama result.

After selecting Panorama mode, Flash, Self-timer, Macro mode and Exposure Compensation can't be adjusted.

While in panoramic mode, press the Delete button to cancel shooting.

Panorama Mode can stitch 2 or 3 maximum pictures.

Scene mode

In **Manual Scene** mode, you can select from a total of 20 scene types to match your needs. The camera will adjust the optimal settings for that scene type.

Press Mode button, use Left/Right button to enter Scene Selection mode menu, press (FUNC OK) button to enter Scene Selection mode, the following figure will display on LCD screen:

Select a scene using the Up/Down/Left/Right button and press the (FUNC OK) button.

Icon	Mode Name	Icon	Mode Name
	Sport		Indoor
	Snow		Fireworks
	Museum		Night Landscape
	Children		Leaf/Foilage
	Sunset		Glass
	Landscape		Night Portrait
	Beach		Text
	Gathering		ID
	Fish eye		Travel shooting
	Photo frame		Sketch

Sport

For shooting fast-moving objects. Bring lively pictures to life.

Indoor

For shooting people indoors. Clearly show background and atmosphere.

Snow

Suitable for snowy landscape. Camera automatically adjusts and corrects exposure value (EV).

Fireworks

For shooting at night and fireworks. Shutterspeed is slower than normal. (Use of tripod is recommended)

Museum

For shooting in museums or places where flash is not allowed.

Night landscape

For shooting night scenes. Use of tripod is recommended.

Children

Suitable for photographing children and pets. The flash shuts off automatically in order not to disturb the subject being photographed.

Leaf/Foilage

For shooting plants. Vivid reproduction of green.

Sunset

For shooting sunsets. Vivid reproduction of red and yellow.

Glass

Suitable for photographing objects behind glass or window.

Landscape

For shooting landscapes. Vivid reproduction of green and blue.

Night portrait

For shooting portraits with night scenes as background.

Beach

For taking pictures in areas with strong sunlight.

Text

For taking pictures of text, documents or white boards.

Gathering

For taking pictures of large groups or in areas with uneven lighting.

ID

For shooting ID size photos.

Fish eye

Creates a fish-eye effect, by distorting the center of the image.

Travel shooting

Produces background image blur that emphasizes the motion of the main subject.

Photo frame

For adding interesting frame effects to the photo.

Sketch

For taking photos with pencil sketch effect.

1. After selecting the scene type, press the FUNC OK button to activate.
2. After setting the option, press FUNC OK button to confirm the setting and enter the selected Scene Selection mode for shooting.

The main function menu also allows you to adjust the image quality and image size. Please refer to the "**Advanced Functions Menu**" section on page 23 for detailed instructions.

Stabilization mode

This mode can help reduce photo blur caused by hand shake, low light and slow shutter speed

Use stabilization mode in dark environments or when in slow shutter speed .

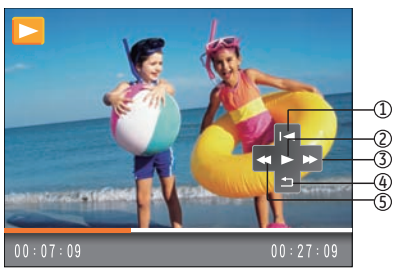
Shooting in a windy or unstable environment (such as a moving vehicle) may cause blurred images.

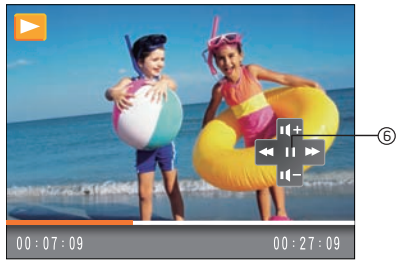
Viewing Photos and Videos

To view the captured photos and video clips on the LCD screen:

1. Press ▷ button to go to the **Playback** mode. The last recorded photo or video clip is displayed.
2. Use the **Left/Right** navigation buttons to scroll through the photos or video clips stored in the internal memory or memory card.
3. To play a selected video clip, press the FUNC OK button to enter the movie playback mode.

During video playback, the operating instructions will appear on the screen. Press the Left/Right button, and press the FUNC OK button for confirmation.





The operating instruction icons are as follows.

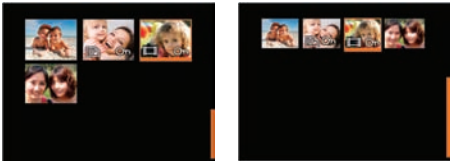
1	Return to the first frame and play	4	Return to the first frame
2	Play	5	Rewind
3	Fast Forward	6	Pause

When playing a stored video, press the Up/Down arrow button to adjust the playback volume ; or to mute the volume .

Thumbnail View

In the playback mode, slide the zoom lever to W , the photos and video thumbnails will display on the screen.

1. Slide the zoom lever to switch between 3x3 and 4x4 thumbnails.



2. When displaying 3x3 and 4x4 thumbnails, press the Up/Down/Left/Right button to select a picture or video clip to view.

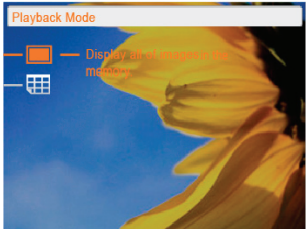
When the icon appears on the LCD screen, a movie file is currently being displayed.

Press the FUNC OK button to restore a preview icon to its original image size.

i button playback function

In the playback mode, press the [i] button for full screen playback or date folder selection.

1. Press [i] key to enter function menu.



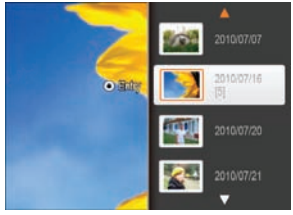
2. Press Up/Down button to select from the following two functions:
   •Full Screen Playback
   •Date Folder View
3. Press the (FUNC OK) button to enter the corresponding function menu.

Full Screen Playback

After entering the Full Screen Playback menu, press the Left/Right button to display the next photo.

Date Folder View

4. Select the Date Folder View, press the (FUNC OK) button to enter the following screen:



5. Press the Up/Down to select Date Folder.
6. Press the (FUNC OK) button to enter the Date Folder, press the Left/Right button to select the photos in the date folder.

When selecting a date in the date folder, sliding the zoom lever to T will zoom in on the picture; sliding the zoom lever to W will first zoom out on the picture then enter into the date folder index. Press the FUNC OK button to return to the original scale.

If it is a video, OK : PLAY will display on the screen.

Using Zoom Playback (for still pictures only)

In playback mode, the zoom wheel can be used to zoom in 2x to 8x.

1. Press ▷ button to go to the **Playback** mode.
2. Use the **Left/Right** navigation buttons to select a photo to magnify.
3. Slide the zoom wheel to T🔍 to on zoom in on the picture.
4. While zooming, the zoom indicator and photo frame icon will display on screen.

5. Use the navigation buttons to pan across the image.
6. Press the FUNC OK button to return the image to its original scale.

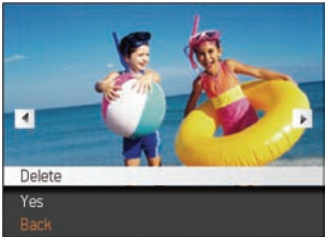
Movie images cannot be magnified.

Using the Delete Button

In Playback mode, press Down/Delete/Self-timer button to delete photos and movies.

To delete pictures or videos:

1. Press ▷ button to go to the Playback Mode.
2. Select a picture or video clip you want to delete with the Left/Right button.
3. Press the Down/Delete button and the delete screen appears.



4. Select Yes or Cancel with Up/Down button and press the FUNC OK button for confirmation.

Erased photos/video clips cannot be recovered.

Please refer to page 52 for instructions on the Delete Menu options.

Still Menu

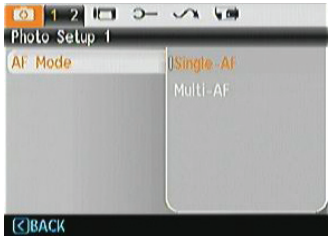
Mode: AUTO M ASCN SCN

In any of the above Still Picture Modes, press the MENU button to go to the Still Picture menu.

To adjust each setting:

1. In the Still Picture Menu, press Left/Right buttons to switch between different Photo and Camera Setup pages.

2. Press the Up/Down buttons to select the function.
3. Press FUNC OK or Right button to enter the submenu.



4. Press Up/Down button to select an option, or press Left button to return to the menu.
5. Press FUNC OK button to confirm the setting and return to the previous layer.

After selecting a function, you can press the Up button to return to the Still Picture menu for other Photo Setup or Camera Setup pages. Or you can press the Down button several times to move to the next setup menu page.

Refer to the following pages for more details about each setting.

AF Mode (Auto-Focus mode)

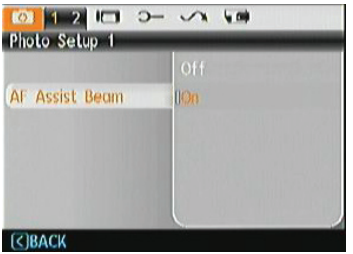
Use this setting to control the auto-focus mechanism while taking pictures.

Two options are available:

- **Single-AF**: The focus frame appears on the center of the LCD screen to focus on the subject.
- **Multi-AF**: The camera shall focus correctly for multiple parts of the object.

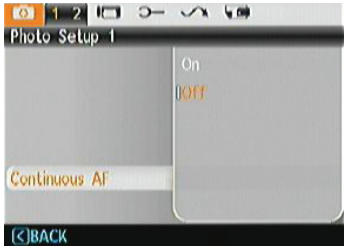
AF-assist Beam

This option can turn the AF assist lamp on or off. In dark conditions, the AF assist lamp can strengthen the focus on the image.



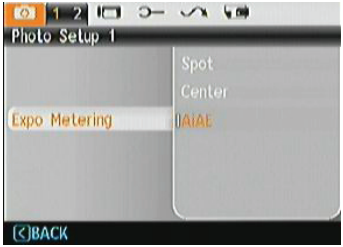
Continuous AF

After Continuous AF is turned on, the camera will adjust focus automatically in response to any camera or subject movement.



Expo Metering (Exposure Metering)

Use this setting to select an area for the exposure to be obtained.

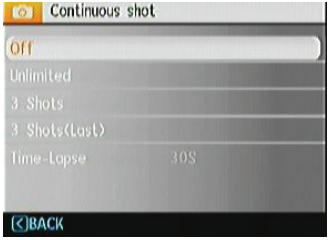


Three options are available:

- **Spot**
- **Center**
- **AiAE** (Artificial Intelligence AE)

Continuous Shot

Use this setting to perform continuous shooting. After entering this mode, you can shoot multiple images through operating the shutter button.



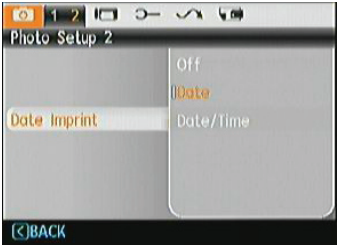
There are five available options:

- **OFF**: Turn off Continuous Shot function.
- **Unlimited**: Press and hold the shutter to shoot continuously until you release the shutter or when the memory card has run out of space.
- **3 shot**: Capture up to 3 consecutive pictures.
- **3 shots (Last)**: Capture pictures continuously until the Shutter button is released but only the last 3 shots are recorded.
- **Time-Lapse**: Automatically capture pictures in a predefined interval.

The flash is designed not to work in this mode in order to enable quick succession of shots.

Date Imprint

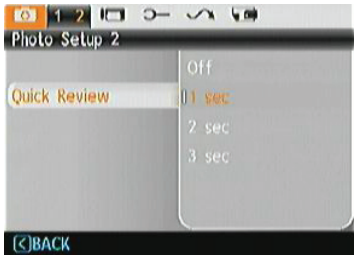
Include a Date/Time stamp in the photo image.



- **Off**
- **Date**
- **Date / Time**

Quick Review

This setting refers to the quick photo review immediately after taking a picture. The picture stays on the LCD screen for an adjustable period of time.

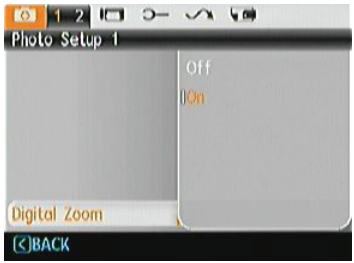


Four options are available:

- **Off**
- **1 sec**
- **2 sec**
- **3 sec**

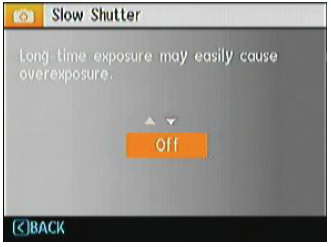
Digital Zoom

Use this setting to enable or disable the digital zoom function. When disabled, only the optical zoom is enabled.



Slow Shutter ("B" or Bulb Mode)

In Slow Shutter (B) mode, the shutter will remain open as long as the Shutter button is pressed. This gives you complete control over the duration of the exposure. (The slow shutter mode is available only in M manual mode.)



- **Manual** : To set a long exposure time between 2~30 sec.

The use of tripod is recommended for prolonged exposure.

Movie Menu

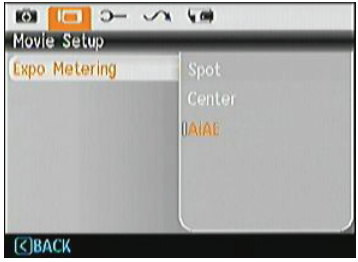
Mode : AUTO M SCN

In the Movie Mode, press the MENU button to access the Movie Setup menu.

To configure each setting:

1. In the Menu screen, switch between the Movie Setup or different Camera Setup pages using the Left/Right button, select the page with the function you want to adjust and press the Down button.

2. Press the FUNC OK to enter the selection.

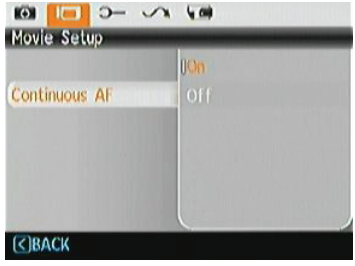


3. Press Up/Down button to select an option, or press Left button to return to the menu.
4. Press FUNC OK button to confirm the setting and return to the previous layer.

Refer to the following pages for more details about each setting.

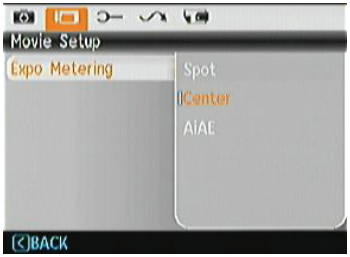
Continuous AF

After Continuous AF is turned on, the camera will adjust focus automatically in response to any camera or subject movement.



Expo Metering (Exposure Metering)

Set metering mode for various lighting conditions.

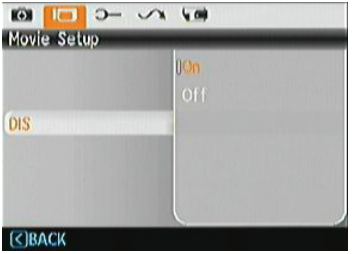


Three options are available:

- **Spot**
- **Center**
- **AiAE** (Artificial Intelligence AE)

DIS

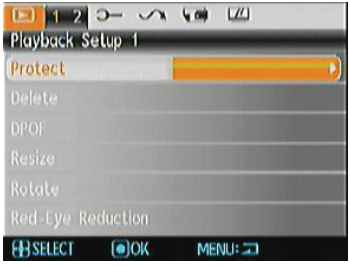
Using this function can ensure the maximum stability of the screen when recording video.



Playback Menu

Mode :

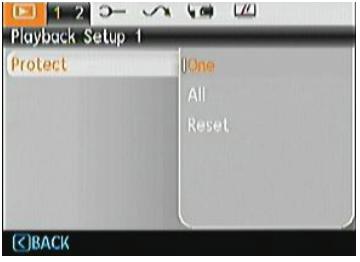
In Playback mode, press the MENU button to enter the **Playback** menu.



Please refer to the following sections for detailed instructions on the various menu options.

Protect

To prevent any pictures or videos from being accidentally erased, use this setting to lock one or all of the files.



To protect/unprotect pictures or videos, press the MENU button while in playback.

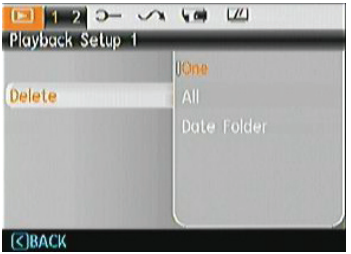
1. Use Up/Down arrow button to select Protection, press FUNC OK or Right button to enter the submenu.

2. Use the Up/Down button to select One picture/video to protect or select ALL to protect all photos and movies stored on the active memory (memory card or internal memory - when memory card is inserted, the memory card is the active memory. Without the memory card, the internal memory is the active memory). Press (FUNC OK) button to confirm and enter photo/movie protection interface.
3. Press the (FUNC OK) button to select Yes to lock. For locked picture/video, use Unlock option to unlock it.
4. A key ( ) icon will appear on the top of the screen to indicate that the picture/video is protected.

If you Reset the Settings in the menu option, all protection settings on pictures/videos will be cancelled.

Delete

There are three ways to delete files.



- **Delete One**:

1. In the Delete Option, select One and then press (FUNC OK) button.
2. Press the Left/Right button to locate the photo or video to be deleted. Press the Up/Down button to select item (Yes: to delete the file, Back: to return to previous menu) and then press (FUNC OK) to confirm.

• **Delete All**:

1. In the Delete option, select All and then press (FUNC OK) button.
2. Use Up/Down button to select Yes to delete all files, or select Back to return to the menu.

• **Delete Date Folder:**

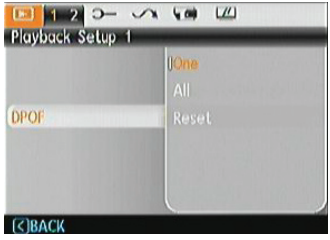
1. In the Delete Folder, press (FUNC OK) or button after selecting date folder.
2. Use the Up/Down button to select Date Folder to be deleted, press (FUNC OK) to confirm, press the Up/Down button to select item (Yes: to delete the file, Back: to return to the menu) and then press (FUNC OK) to confirm.

The "⚿" indicator means a file is protected. File protection must be removed first before a file can be deleted.

Deleting files will cause DPOF settings to be reset.

DPOF (Digital Print Order Format)

DPOF allows you to record your selection of pictures that you would like to print, and will save your selection in the memory card, so that you can simply hand your memory card to a photo kiosk without having to tell them in person which photos you would like to print.



Trim

The Trim setting allows you select an area of the photo you want to keep and then save it as a new photo.

To trim a picture:

1. Select the **Trim** setting from the ▷ menu.
2. Using the **Left/Right** buttons, locate the photo that you want to crop and have it displayed on the LCD.
3. Select "Yes" to confirm cutting, use the zoom lever and direction key to select the part to be cut, then cut the photo you need.

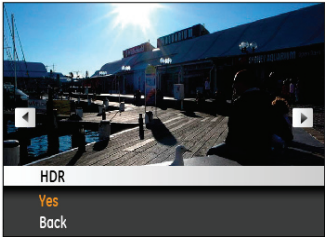
4. Press FUNC OK button and a 'Save Changes?' prompt will display. Select "O" to confirm changes and save it as a new image, or select "X" to cancel changes and return to the previous menu.

The image can not be clipped again when it is clipped to 640X480.

HDR-High Dynamic Range

With the HDR function, pictures that may be overexposed may be corrected to optimize the highlights and lowlights captured to more accurately represent the real scene.

1. Select HDR setting in ▷ menu by pressing Menu while in Playback.
2. Press Left and Right button to find picture you want to optimize and then select Confirm to perform HDR optimization or select Return to go back to Playback menu.



3. After HDR optimizing, the image will be saved as another file with the icon appearing as a prompt, the original file still remains in the memory.

Resize

This setting allows you to resize a picture to a specified resolution, and saves it as a new picture.

1. Select the **Resize** setting from the **Playback** menu as described previously.

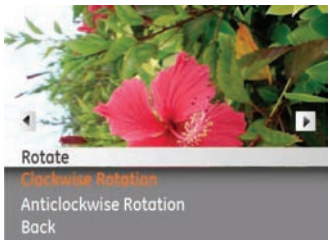
2. Use the **Left/Right** navigation buttons to select a picture to resize.
3. Use the **Up/Down** navigation buttons to select a resolution (**1024X768** or **640X480**) to resize the image or **Back** to cancel and return to the **Playback** menu.
4. Press the FUNC OK button to confirm the setting.

Resizing an image creates a new file that contains the image in the size you select. The file with the original image also remains in memory.

Rotate

You can use this setting to change the picture orientation of the picture.

1. Select the **Rotate** setting from the **Playback** menu as described previously.
2. Use the **Left/Right** navigation buttons to select a picture to rotate.
3. Use the **Up/Down** navigation buttons to select the direction for rotation or **Back** to cancel and return to the **Playback** menu.



4. Press the FUNC OK button to confirm the setting.

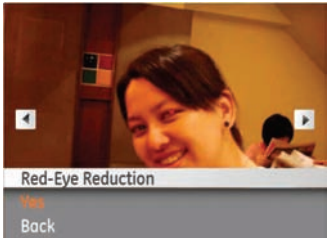
The panorama picture and video cannot be rotated.

Revolved file will replace the original one.

Red-eye Reduction

Use this setting to remove red-eyes in your photos.

1. Select the **Red-eye Reduction** in **Playback** menu as described previously.
2. Use the **Left/Right** button to select the picture from which the red-eye needs to be removed.
3. Use the **Up/Down** navigation buttons to select **Yes** to fix the selected image or **Back** to cancel and return to the **Playback** menu.



4. Press the (FUNC OK) button to confirm the setting.

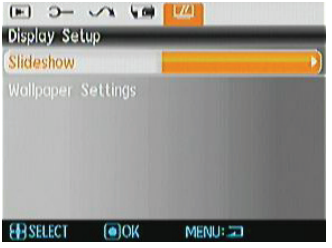
For best results, the face of the subject should be relatively large on the LCD screen, the subject should be facing the camera as front on as possible, and the red eyes should be as large as possible.

If there is no red eyes in the image, press (FUNC OK) button after selecting "Yes", such prompt will appear on the screen: red eye is not detected!

Display Setup

Mode:

Press MENU button in Playback mode to enter Display Setup menu.



Refer to the following sections for details of every setting.

Slideshow

This setting allows you to view all the stored pictures as a slideshow.

1. Select Slide Show menu, press FUNC OK or Right button to enter the slide show setup interface.
2. Press Up/Down button to select effect, interval, repeat or music, and press FUNC OK or Right button to enter and adjust settings. Press FUNC OK button to confirm settings.

3. Use the **Up/Down** navigation buttons to select **Start** to run the slideshow or **Cancel** to return to the **Playback** menu.
4. Press the FUNC OK button to confirm the setting.

Wallpaper Settings

Use this setting to select your favorite picture to use as a background on the LCD screen.

1. Press Down button to select the Wallpaper Setting menu.

2. Press the FUNC OK or Right button to enter the background setup interface.

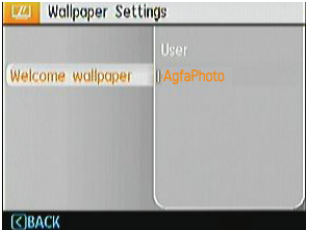
Menu Wallpaper:

Use Up/Down button to select the Menu Wallpaper option, press FUNC OK button to confirm or press Left button to return to last page, and press MENU to exit the menu.

- User
- AgfaPhoto
- Sparkling

Startup Screen:

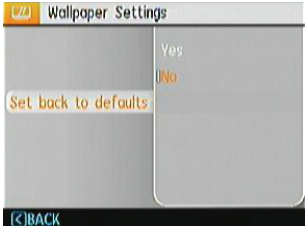
Use Up/Down button to select the Startup Screen option, press FUNC OK to confirm or press Left button to return to last page, and press MENU to exit the menu.



- User
- AgfaPhoto

Set back to default:

Use Up/Down button to select Back To Default, press FUNC OK to confirm or press Left button to return to last page, and press MENU to exit the menu.



- Yes
- No

Setup Menu

Mode : AUTO M ASCN SCN

The Setup menu for the camera is available in all modes. Each menu page can be selected by pressing the MENU button and switching between menus with the Left/Right button.

To adjust the settings:

1. Select the menu page with the function you want to adjust and press the Down button.
2. Switch between different functions with the **Up/Down** button.
3. Press the FUNC OK or the Right button to enter the submenu.

After selecting a function option, you can press the Up button to return to the menu for other Camera Setup pages. Or you can press the Down button to switch to the next menu page.

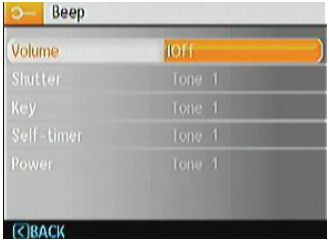
Refer to the following pages for more details about each setting.

Beep

Use this setting to adjust the volume of beep when buttons are pressed and change the tones for Shutter button, self-timer, and power-on/power-off.

To change this setting:

1. Select the **Beep** setting from the **Setup** menu as described previously.
2. Use the **Up/Down** navigation buttons to switch between volume, shutter, key, self-timer, and power fields.

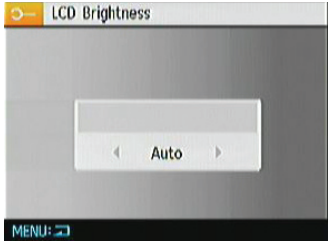


3. Press the FUNC OK or the Right button to enter, and Press the Up/Down button to adjust volume and change various sounds, then Press the FUNC OK button to confirm the setting.

LCD Brightness

Use this setting to adjust the brightness of your LCD screen.

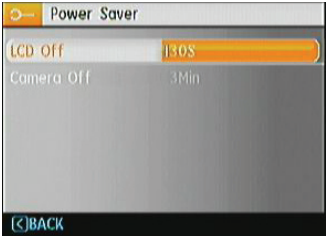
1. Select the **LCD Brightness** setting from the **Setup** menu as described previously.
2. Select auto or adjust the brightness level using the Left/Right button, and press the FUNC OK button to confirm the setting.



Power Saver

This setting allows you to save power and get the maximum possible running time for your battery. Follow the steps below to turn off the LCD screen and camera automatically after a period of inactivity.

1. Select the **Power Save** setting from the **Setup** menu as described previously.
2. Press the Up/Down button to select screen power and camera power, then Press the FUNC OK or the Right button to enter.



3. Press the Up/Down button to adjust the selected item. Both items have the following options:

- LCD Off :
  ON, 30 sec, 1 min, 2 min.
- Camera Off :
  ON, 3 min, 5 min, 10 min.

4. Press the FUNC OK button to confirm.

Zone

The Zone setting is a useful function on your overseas trips. This feature enables you to display the local time on the LCD screen while you are overseas.

1. Select the **Zone** setting from the **Setup** menu as described previously. The world time screen appears.
2. Use the **Up/Down** navigation buttons to switch between the hometown [ ] and travel destination [ ] fields.
3. Use the **Left/Right** navigation buttons to select a city close to the desired time zone. Then press the FUNC OK button to confirm.

Date/Time

See "**Setting the Date and Time**" section on page 16.

Language

See "**Setting the Language**" section on page 15.

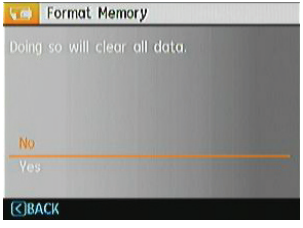
File and Software

Format Memory

Please note: formatting enables you to delete all contents in the memory card and built-in memory, including protected photo and movie files.

To use this setting:

1. Select the Format in File and Software menu.
2. Use the **Up/Down** navigation buttons to select **Yes** or **No**. Then press the (FUNC OK) button to confirm.

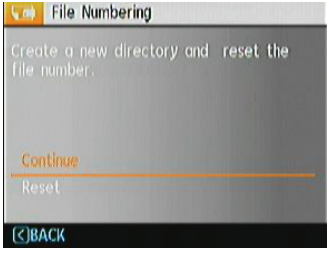


3. Select Yes, the camera will format the selected media.
4. Please note that when you perform the Format Memory function, it only formats the active memory. If a memory card is inserted, the memory card is active and will be formatted. If there is no memory card, the internal memory is active and the internal memory will be formatted. Formatting the memory card will not automatically format the internal memory.

File Numbering

After you take a picture or video clip,the camera will save it in a sequential number. You can use this to reset the file numbering to 1. (When more than 999 images are on the memory card, the use of this features will have no effect.)

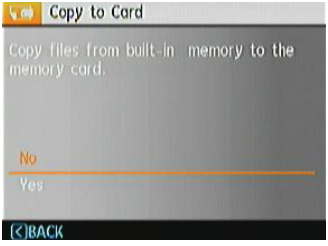
1. Select the File Name in File and Software menu.
2. Select the option with the Up/Down button and press the FUNC OK button for confirmation.



Copy to Card (Copy internal memory to memory card)

Use this setting to copy the files stored in the internal memory to the memory card.

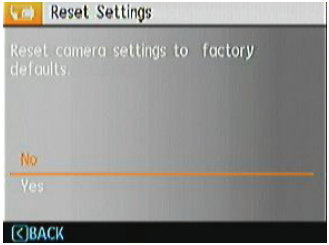
1. Select the **Copy to memory card** in File and Software menu.
2. Use the **Up/Down** navigation buttons to select **Yes** or **No**. Then press the FUNC OK button to confirm.



Reset Settings

Use this setting to restore the camera to its default settings.

1. Select the **Reset** setting in File and Software menu.
2. Use the **Up/Down** navigation buttons to select **Yes** or **No**. Then press the (FUNC OK) button to confirm.



FW Version (Firmware Version)

Use this setting to view and update the current camera firmware version.

1. Select the **FW Version** in File and Software menu.
2. The screen will show the current firmware version. If there is a memory card with a firmware file, the camera will detect it and ask if you want to update the firmware.

To update to the latest firmware version, you can go to the following website: www.reddotimaging.com and look under Support.

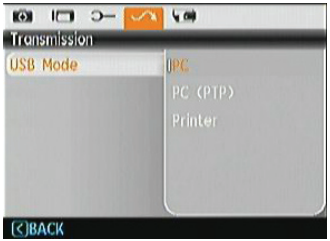
Connecting to a PC

You can connect to the PC by using the USB interface on the camera or the USB cable. Once connected you can manually transfer the files or use software such as Arcsoft (included on disc).

Setting the USB mode

Since the camera's USB port can be set to connect with either a PC or a Printer, the following steps will allow you to ensure that the camera is correctly configured to connect with a PC.

1. Enter the camera setup menu and select USB Mode with the UP/Down button, then press the FUNC OK or the Right button to enter.
2. Use the **Up/Down** navigation buttons to select **PC**.
3. Press the FUNC OK button to confirm the setting.

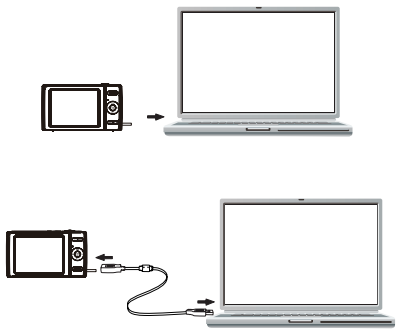


Transferring files to your PC

The computer will automatically detect the camera as a removable drive. Double click on My Computer (or Computer) to access your computer drives. Locate the removable drive, browse the directory to locate your files and copy the folders/files as you normally do on a computer.

To use the Arcsoft software to transfer files to your computer, please connect the camera to the computer and follow these steps:

1. Start a computer to which ArcSoft software has been installed.
2. Make sure both the camera and PC are turned on.
3. Connect the camera with PC:
   - Connect USB interface of the camera with PC;
   - connect one end of attached USB cable with the camera, and connect another end with PC.



4. Please unplug USB after transmitting.

If USB connection item is set as [Computer]:

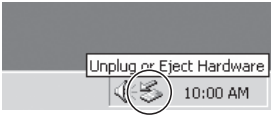
First remove the camera from the system as indicated below, then turn off and remove USB.

If USB connection item is set as [Computer (PTP)]:

Please operate according to the following steps: remove the camera from the system firstly, then turn off and remove USB.

Windows operating system (Windows 2000, Windows XP, Windows Vista, Windows 7.)

Click [Remove hardware safely] icon in the taskbar, and remove USB according to the displayed menu.



Macintosh

Drag the untitled icon to the Trash. ("Untitled")

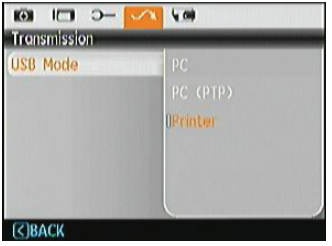
Connecting to a PictBridge Compatible Printer

PictBridge allows printing images from a memory card in a digital camera directly to a printer, regardless of brand. To find out if a printer is PictBridge compatible, simply look for the PictBridge logo on the packaging or check the manual for specifications.With the PictBridge function on your camera, you can print the captured photos directly with a PictBridge compatible printer using the supplied USB cable, without the need for a PC.

Setting the USB mode

Since the camera's USB port can be set to connect with either a PC or a Printer, the following steps will ensure that the camera is correctly configured to connect with a Printer.

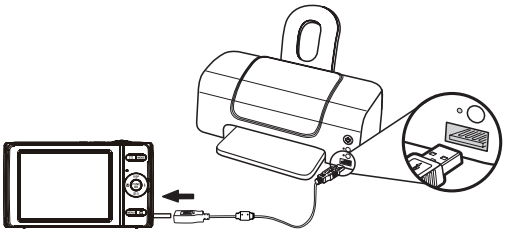
1. Enter the camera setup menu and select USB cable with the Up/Down button, then press the FUNC OK or Right button to enter.
2. Use the **Up/Down** button to select **Printer**.
3. Press the FUNC OK button to confirm the setting.



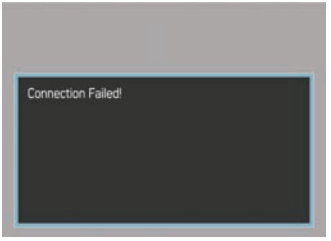
After the camera is reset, it will switch to PC mode automatically from USB mode.

Connecting the camera and printer.

1. Make sure both the camera and printer are turned on.
2. Connect one end of the supplied USB cable to the USB port on your camera.
3. Connect the other end of the cable to the USB port on the printer.



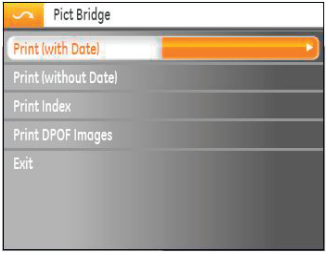
If the camera is not connected to a PictBridge compatible printer, the following error message will appear on the LCD screen.



The above error message will also appear if the USB mode were set incorrectly, in which case you should disconnect the USB cable, check the USB mode settings, ensure that the Printer is turned on, and then try connecting the USB cable again.

Using the PictBridge Menu

After setting the USB mode to Printer, the **PictBridge** menu will appear:



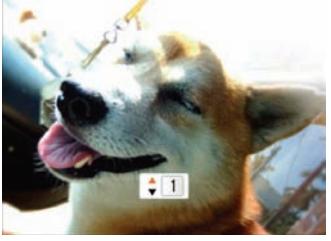
Press the Up/Down button to select a menu item, then Press the (FUNC OK) or Right button to enter this item.

Refer to the following sections for more detailed information on each setting.

Print with date

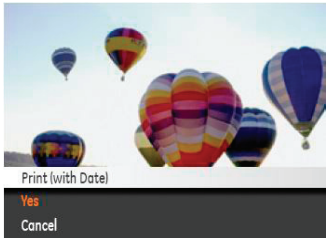
If you have set the date and time of your camera, the date and time will be recorded and saved with each photo you take.

1. Select **Print with date** from the **PictBridge** menu. The following screen will appear:



2. Use the **Left/Right** navigation buttons to scroll through the photos.

3. Use the **Up/Down** navigation buttons to select the number of prints for the current displayed photo.
4. Press the (FUNC OK) button and the following screen will appear:

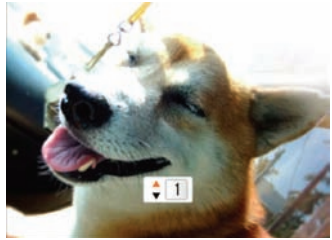


5. Select **Yes** to confirm the printing, or **Cancel**. Then press the (FUNC OK) button.

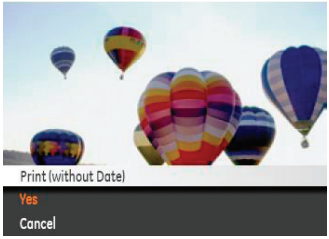
Print without date

Use this setting to print the photos without dates on them.

1. Select **Print without date** from the **PictBridge** menu. The following screen will appear:



2. Use the **Left/Right** navigation buttons to scroll through the images.
3. Use the **Up/Down** navigation buttons to select the number of prints for the current displayed image.
4. Press the (FUNC OK) button and the following screenwill appear:

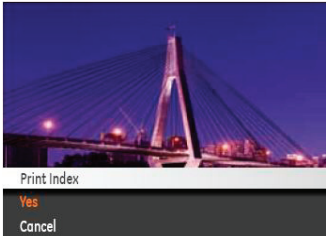


5. Select **Yes** to confirm the printing, or **Cancel**. Then press the FUNC OK button.

Print index

You can use this setting to print all indexes to show all the photos currently in your camera.

1. Select **Print index** from the **PictBridge** menu. The following screen will appear:

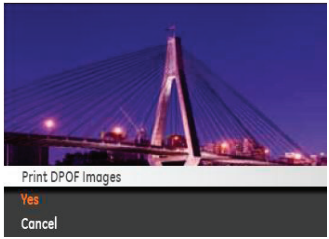


2. Select **Yes** to confirm the printing, or **Cancel**. Then press the FUNC OK button.

Print DPOF (Digital Print Order Format)

To use DPOF printing, you must select the photos for printing using the DPOF settings before hand. see the "**DPOF**" section on page 53.

1. Select **Print DPOF** from the **PictBridge** menu. The following screen will appear:



2. Select **Yes** to confirm the printing, or **Cancel**. Then press the FUNC OK button.

Exit

To exit the **PictBridge** menu, select **Exit**. The "Remove USB cable" message will be displayed.

Disconnect the USB cable from the camera and printer.

Specifications

Design and specifications are subject to change without notice.

Model name		OPTIMA 147
Active Image Sensor Pixels		14.14 Megapixels
Total Image Sensor Pixels		14.48 Megapixels [1/2.3"CCD]
Lens	Focal Length	5.9mm (Wide) — 41.3mm (Tele)
	[35mm film equivalent]	[32.9mm (Wide) — 230.3mm (Tele)]
	F number	F3.4 (Wide) — F5.7 (Tele)
	Lens Construction	7 groups 9 elements
	Optical Zoom	7x
	Focusing Range	Normal: (Wide) 60cm ~ ∞, (Tele) 80cm ~ ∞ Macro: 5cm ~ ∞ (Wide Only)
Anti-Handshake		Digital Image Stabilization
Digital Zoom		6x Digital Zoom (Combined Zoom: 42x)

Model name		OPTIMA 147
Number of Recording Pixels	Still Image	14MP: 4320x3240, (3:2)12MP: 4320x2880, (16:9)10MP: 4320x2432, 8MP: 3264x2448, 5MP: 2592x1944, 3MP: 2048x1536, 0.3MP: 640x480
	Movie	720p30, 720p15, VGA, QVGA
Image Compression		Best, Fine, Normal
DCF, DPOF (Ver1.1) Support		Yes
File Format	Still Image	Exif 2.2 (JPEG)
	Movie	Movie Format: MOV (Motion JPEG), Audio: G.711 (Monaural)
Shooting Modes		Auto, Manual, Image Stabilization, Panorama, Movie, ASCN, Portrait, Scene (Sport, Landscape, Children, Indoor, Leaf, Beach, Text, Party, ID, Fisheye, Panning Shot, Photo Frame, Sketch, Snow, Sunset, Fireworks, Glass, Museum, Night Landscape, Night Portrait)
Detection Features		Face, Smile, Blink
Red-Eye Removal		Yes
HDR		Yes (Post-Processing)
Panorama Capture	Still Image	Yes (Horizontal)
	View Angle	0° ~ 135°

Model name	OPTIMA 147
LCD Display	3.0inch (230k Pixels)
ISO Sensitivity	Auto, ISO64/100/200/400/800/1600
AF Method	Single AF, Multi-AF (TTL 9-point), Face-Detection, AF Assist Light (On/Off)
Exposure Metering Method	Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE
Exposure Control Method	Program AE (AE-Lock Available)
Exposure Compensation	±2EV in 1/3 Step Increments
Shutter Speed	1/2000 ~ 4 Seconds (Manual: 30 Seconds)
Continuous Shooting	Yes
Playback Modes	Single Photo, Index (9/16 Thumbnails), Slide Show, Movie, Date Zoom (Approx. 2x ~ 8x), Histogram Display
White Balance Control	Auto (AWB), Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual

Model name		OPTIMA 147
Internal Flash	Flash Modes	Auto, Red-Eye Reduction, Forced Flash, No Flash, Slow Synchro, Red-Eye Reduction + Slow Synchro
	Shooting Range	(Wide) Approx. 0.6 ~ 4.0m (ISO 800) (Tele) Approx. 0.8 ~ 2.5m (ISO 800)
Recording Media		Internal Memory: Approx. 50 MB
		SD/SDHC Card (Up to 32GB Support) [Nonsupport MMC Card]
Other Features		PictBridge, ExifPrint Support, Multi-Language Support (26 Languages)
Jacks		USB Arm
Power		Rechargeable Li-ion Battery SKL-50, 3.7V 880mAh, In-Camera Charging
Shooting Capability (Battery Performance)		Approx. 280 Shots (Based on CIPA Standards)
Operation Environment		Temperature: 0~40^{O}C, Humidity: 0~90%
Dimensions (W x H x D)		Approx. 101.5 x 56.9 x 24.0mm (Based on CIPA Standards)
Weight		Approx. 129g (Body only)
Supplied Accessories		Rechargeable Li-ion Battery, AC adapter, USB Extension Cable Wrist Strap, CD-ROM Quick Start Guide, Warranty Card

Error messages

Messages	Explanation
Card error	• The memory card is not formatted.
Card full	• The memory card is full and cannot store any new images.
Picture error	• The picture was not captured correctly. • The picture is damaged.
No picture	• There are no images in the memory card or in the internal memory.
Lens error	• The lens is probably stuck and the camera will power off automatically.
System error	• Unexpected error encountered.
Write protect	• The write protection switch in the memory card is set to the “LOCK” position.
Out of the range	• When pictures were taken in Panorama mode, the direction of movement was incorrect or the angle was outside the range of the internal settings.

Messages	Explanation
Card is not formatted, format?	• Confirm whether the memory card should be formatted.
This image cannot be deleted	• The picture or video you are trying to delete is protected.
Warning!! Camera recording, please wait.	• No other actions allowed to perform during video/audio recording.
Warning!! Battery exhausted.	• The battery is out of charge.
This file cannot be played back	• The picture format cannot be recognized by the camera.
No connection	• The camera is not connected to the printer correctly.
Print error	• There is a problem with camera or printer.
Cannot print	• Check that the printer is out of paper or out of ink. • Check if the printer has a paper jam.

Troubleshooting

Problem	Possible causes	Solution
Camera does not turn on.	• The battery has run out. • The battery is not inserted correctly.	• Replace with a fully charged battery.
Camera turns off suddenly during operation.	• The battery has run out.	• Replace with a fully charged battery.
The picture is blurred.	• The lens is dirty. • appears when taking pictures.	• Use a soft cloth to clean the lens on your camera • Use the **Image Stabilization** mode.
Images and video files cannot be saved.	• The memory card is full.	• Replace the memory card with a new one. • Delete unwanted images from the memory card. • Unlock the memory card.
No picture is taken when pressing the Shutter button.	• The memory card is full. • There is no available space to store the files. • The mode dial is in **Playback** mode.	• Replace the memory card with a new one or clean off current memory card. • Delete unwanted images. • The memory card is locked. • Change to Shooting mode.

Problem	Possible causes	Solution
Images cannot print from the connected printer.	• The camera is not connected to the printer correctly. • The printer is not PictBridge compatible. • The printer is out of paper or out of ink. • The paper is jammed.	• Check the connection between the camera and printer. • Use a PictBridge compatible printer. • Load some paper in the printer. • Replace the ink cartridge in the printer. • Remove the jammed paper.
Write to memory card is slow	• Movie recording is set in an HD format setting, but memory card is either not an HD capable memory card or not formatted properly.	• Ensure the memory card is an SDHC type card and ensure it has been formatted by this camera.
Cannot write to the memory card	• Memory card is in write-protection state. • When shooting or recording, writeprotection interruption phenomenon in the memory card (such as due to too slow storage etc.) leads that you can not continue to shoot or record.	• Please replace a memory card. • Please shoot again.
Too many movies to process	• The number of pictures or binders in the memory card exceeded the specifications, so the playback of data folder can not be displayed.	• Delete needless files. • Transfer the files in the memory card to other area.
Exceed maximum folder number in the memory card	• "Yes" is selected for "File No" menu in the Menu (see P64 for detailed instructions)..	• Transfer the files in the memory card to other area. • Set "No" for "File No".

Customer Care

More information on the complete AgfaPhoto digital camera product range can be found at www.reddotimaging.com. / www.agfaphoto.com.

Service & Repair Hotline (USA):

1-855-243-2937 (from a landline only)

Service & Repair (UK):

+44 1908 488676

Online Service / International contact:

customersupport@reddotimaging.com

For repair and service in all other countries, please refer to the warranty pamphlet for additional information.

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