



MND55



User Manual

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1.0 Introduction

About this Manual:

Congratulations on purchasing the Minolta MND55 Digital Camera!

The contents of this manual are subject to change without notice. Note that the example screens and product illustrations shown in this User's Guide may differ somewhat from the screens and configuration of the actual camera.

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Federal Communications Commission Interference Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

RF Exposure Warning:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

FCC: SAR standard Value: 1.6 W/Kg, Maximal Measure: 0.4 W/kg

CE Mark Warning:

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Camera Information:

- Do not disassemble or attempt to service the camera yourself.
- Do not expose the camera to moisture, or extreme temperatures.
- Allow the camera to warm up when moving from cold to warm temperatures.
- Do not touch and put pressure on the camera lens.
- Do not expose the lens to direct sunlight for extended periods.
- Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.
- Do not use the flash or LED Light near a person's eyes to prevent possible eye injury.
- To prevent you from falling over or resulting in traffic accident, do not use the camera while you are walking, driving or riding a vehicle.
- Handle the camera strap with care, and never place the strap around the neck of an infant or child. Wrapping the strap around a neck may cause suffocation.
- Do not subject the LCD screen to impact.
- To prevent the risk of fire or electric shock, do not expose the inside of this product to rain or moisture.

Battery Information:

- Turn off the camera before installing or removing the battery.
- Use only the provided batteries or type of battery and charger that came with your camera. Using other types of battery or charger may damage the device and invalidate the warranty.
- Inserting the battery upside down can cause damage to the product and possibly cause an explosion.
- When the camera is used for an extended period of time, it is normal for the camera body to feel warm.
- Download all pictures and remove the battery from the camera if you are going to store the camera for a long period of time.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Keep the batteries out of the reach of children to prevent from swallowing the batteries, which might cause poisoning.
- If the battery's color or shape changes in any way, stop using the battery immediately.

USB Adaptor Information:

- Do not expose the adapter to high temperatures or moisture places. Otherwise, it may cause fire or electric shock.
- Do not attempt to repair, disassemble, change or transform the adapter.
- Avoid sudden changes in temperature, which may cause condensation on the adapter's internal surfaces. Do not use it immediately in this situation.
- Do not touch the plug with wet hands. Otherwise, it may cause electric shock.
- Do not use the travel voltage converter or AC/DC power inverter. Otherwise, it may cause damage, overheating, malfunction or fire to the camera.

Precautions When Cleaning:

- Do not puncture the microphone or speaker openings with a sharp implement.
- If the inside of the camera is damaged, the waterproof performance will deteriorate.
- Do not use soap, natural detergents, or chemicals such as benzene for cleaning.

Do Not Apply Strong Impact to the Camera:

The product may malfunction if subjected to strong shock or vibration. In addition, do not touch or apply force to the lens.

Avoid Sudden Changes in Temperature:

Sudden changes in temperature, such as when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Keep Away from Strong Magnetic Fields:

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Doing so could result in loss of data or camera malfunction.

Do Not Point the Lens at Strong Light Sources for Extended Periods:

Avoid pointing the lens at the sun or other strong light source light sources for extended periods when using or storing the camera. Intense light may cause the image sensor to deteriorate or produce a white blur effect in photographs.

Power the Product Off before Removing or Disconnecting the Power Source or Memory Card:

Do not remove the battery while the product is on, or while images are being saved or deleted. Forcibly cutting power in these circumstances could result in loss of data or cause damage to the memory card or internal circuitry.

Notes about the LCD Screen:

- The LCD Screens are constructed with extremely high precision; At least 99.99% of pixels are effective, with no more than 0.01% being missing or defective. Hence, while these displays may contain pixels that are always lit (white, red, blue or green) or always off (black), this is not a malfunction and has no effect on images recorded with the device.
- Images viewed on the LCD screen may be difficult to see under certain lighting.
- Do not apply pressure to the LCD screen, as this could cause damage or malfunction.

Charging the Battery:

Check the battery level before using the camera and replace or charge the battery if necessary.

- Charge the battery indoors with an ambient temperature of 5°C (41°F) to 35°C (95°F) before use.
- A high battery temperature may prevent the battery from charging properly or completely, and may reduce battery performance. Note that the battery may become hot after use; wait for the battery to cool before charging. When charging the battery inserted into this camera using the Charging AC Adapter or a computer,

the battery is not charged at battery temperature below 5°C (41°F) or above 55°C (131°F).

- When the battery is between 45°C (113°F) - 55°C (131°F), the chargeable capacity may decrease.
- Do not continue charging once the battery is fully charged as this will result in reduce battery performance.
- The battery temperature may increase during charging. However, this is not a malfunction.
- Note that the battery may become hot after use.
- Do not use the battery at ambient temperatures below 0°C (32°F) or above 40°C (104°F) as this could cause damage or malfunction.
- If you notice any abnormalities such as excessive heat, smoke, or an unusual smell coming from the battery, immediately discontinue use and consult your retailer.
- After removing the battery from the camera or optional battery charger, put the battery in a plastic bag, etc. in order to insulate it.

Using the Battery When Cold:

On cold days, the capacity of batteries tends to decrease. If an exhausted battery is used at a low temperature, the camera may not turn on. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.

Recycling Used Batteries:

Replace the battery when it no longer holds a charge. Used batteries are a valuable resource and should be recycled in accordance with local regulations.

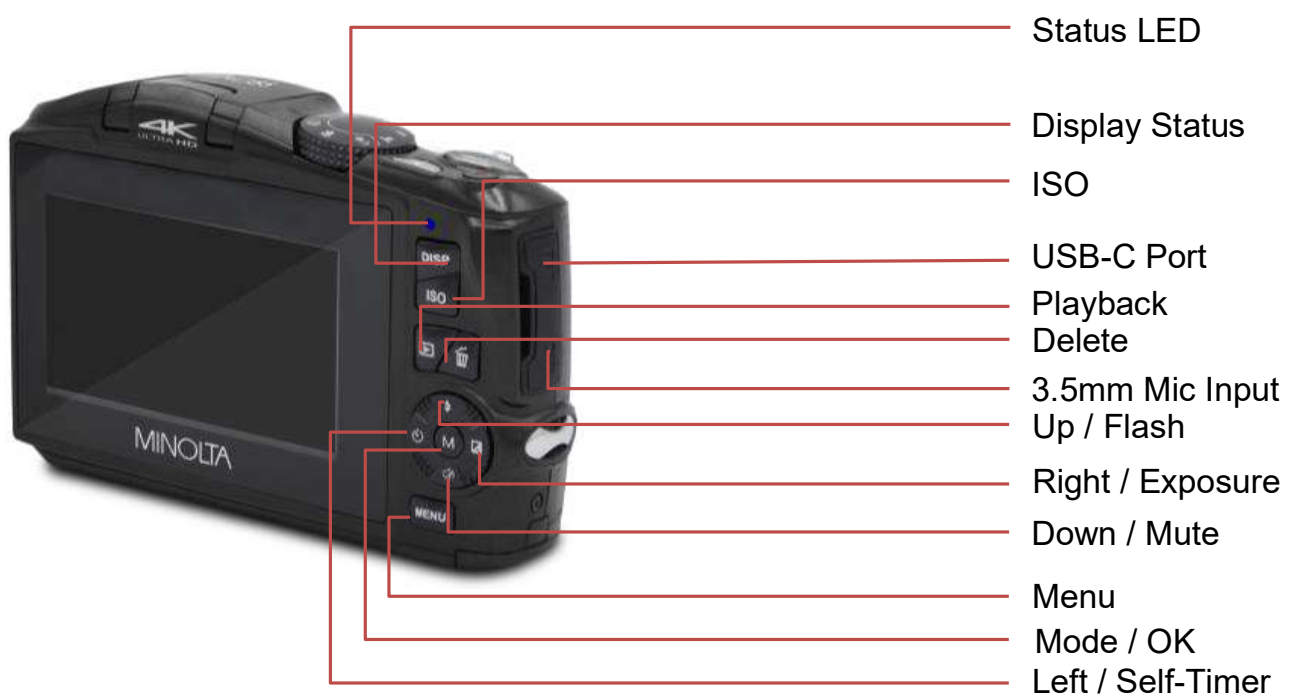
Storage

If you do not intend to use the camera for an extended period, remove the battery and avoid storing the camera in any of the following types of locations:

- Places that are poorly ventilated or subject to humidity of over 60%
- Place exposed to temperatures above 50°C (122°F) or below -10°C (14°F).

Getting Started

1.1 Buttons and Operation Overview



Getting Started

1.2 Buttons and Operation Overview

Name:	Function:
Pop-Up Flash	Open the flash door manually by pushing up
Speaker	Built-in speaker plays button press sounds and other video playback sounds
Microphone	Built-in Microphone to capture audio during a video recording
Lens	Front objective lens for photo and video capture
52mm Threading	The front lens has a 52mm diameter threading for compatible filters and attachments.
Zoom Lever	In Photo or Video Mode: Lever for T (ele) and W (ide) buttons for digital zooming in and zooming out In Playback: Lever to zoom in on the image displayed
Photo Capture	Button to autofocus and capture a photo
Video Capture	Button to enter Video mode and to start/stop recording
Power	Button to power the camera on or off
Scene Mode Dial	Turn the dial to enter all of the various shooting modes
Status LED	Blinking Blue: Recording Video Single Blue Blink: Photo Captured Solid Red: Battery is charging
Display (Button)	Button to disable on screen icons or turn off display
ISO	Button to set the sensitivity of the camera sensor
USB-C Port	Port for charging battery, transferring photos to a PC, or using your camera as a PC Camera
Playback (Button)	Button to enter Playback mode

■ CONTINUED ■

Name:	Function:
Delete (Button)	In Playback: Button to delete a saved photo or video
3.5mm Microphone Input	Input port for an external microphone (3.5mm)
Up/Flash	In Settings: Button to move Up when navigating menus In Photo Mode: Button to set the Flash function In Playback: Button to move Up when scrolling through images
Right/Exposure	In Settings: Button to move Right when navigating menus In Photo Mode: Button to set the Exposure Value In Playback: Button to view next file
Down/Mute	In Settings: Button to move Down when navigating menus In Photo or Video Mode: Button to mute all sounds In Playback: Button to move Down when scrolling through files
Menu	Button to enter the settings menu in each mode
Mode/OK	Button to cycle the various Photo and Video Shooting modes In Settings: Button to confirm highlighted menu selection In Playback: Button to start and stop video playback
Left/Self-Timer	In Settings: Button to move Left when navigating menus In Photo Mode: Button to set the Self-Timer function In Playback: Button to view previous file

1.3 Camera Features

In addition to basic photo capture, the Minolta MND55 has a variety of shooting modes to suit different situations. This section describes how to make the most of the key features of your camera. Together with the explanation of the camera's operations, it will enable you to enjoy your camera to the fullest.



First Use

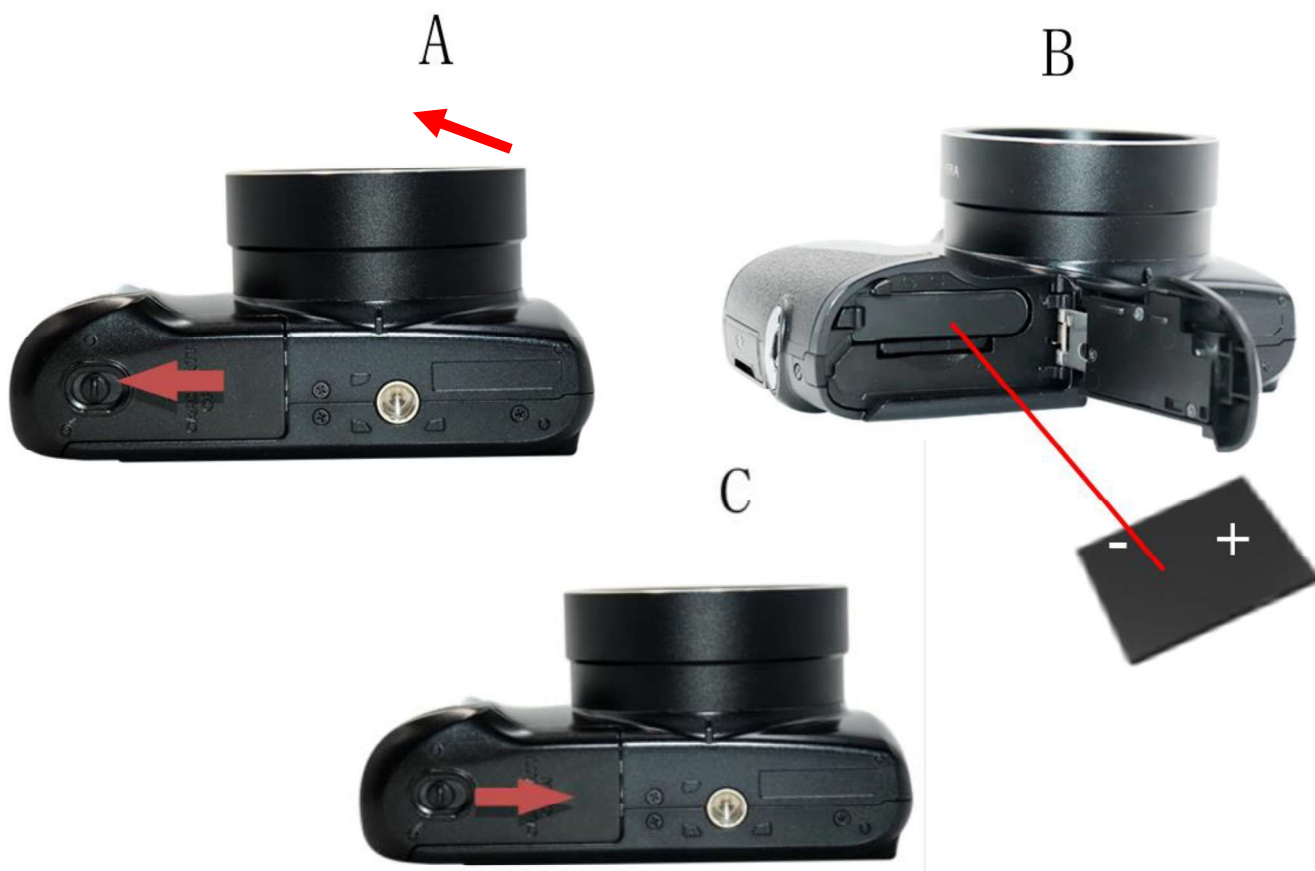
1.4 Operating Battery Door

Unlock the battery door by sliding the locking latch left with your thumb or nail and release. The battery door should unlock and slide open.



1.5 Installing the Battery

Insert the included lithium-ion battery into the battery compartment with the metal contact facing the inside of the camera as shown in the diagram below. The camera will only power up if the metal contacts on the battery line up with the metal contact inside the battery compartment. **NOTE:** The battery can only be inserted in one way.



1.6 Installing the Memory Card

Insert the SD memory card into the battery compartment with the metal contact facing up as shown in the diagram below. Push the memory card in until you hear an audible click.



The SD memory card can only be inserted in one way. Do not force the card in if it will not go in smoothly. If it is not inserting smoothly, then it is likely being inserted incorrectly.

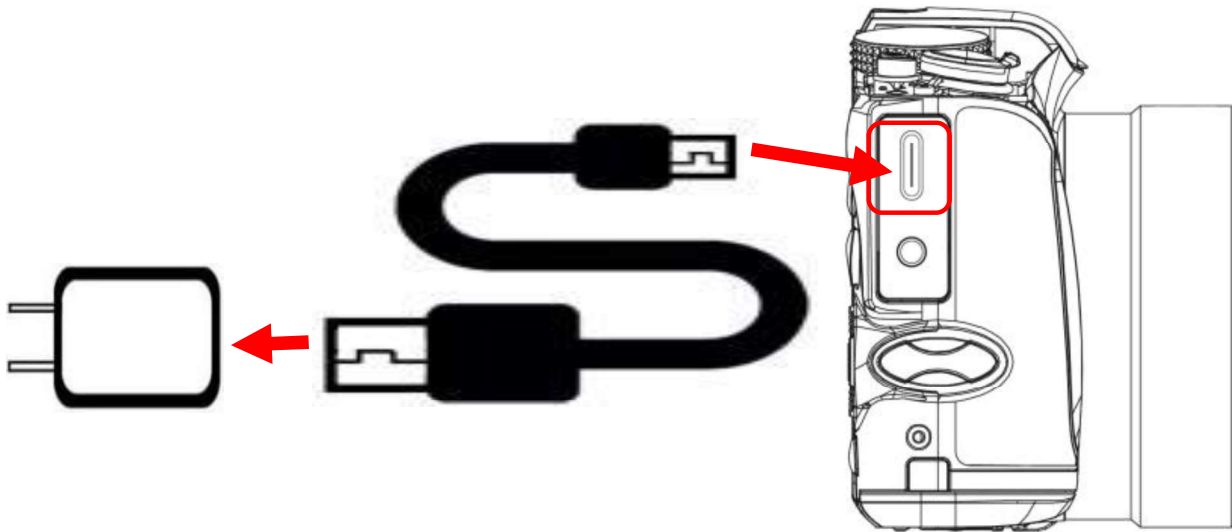
To remove the SD memory card, simply push the card in and the card will eject back out.

NOTE:

- Format the memory card before using the camera (Caution: this will erase all data on the card).
- Do not remove or insert the memory card when recording. It may damage the card or cause data loss.
- Memory card rating must be Class 10 or above.
- Maximum capacity SD supported is 128GB.

1.7 Charging the Battery

Connect your camera to the included AC adaptor with the USB-C cable provided for charging. Insert the small end of the USB plug into the camera's USB-C port under the protective door as shown in the figure below. Plug the larger end in to the included AC adaptor. While charging, the LED indicator light will light up solid red and will turn off once charging is completed.



1.8 Powering the Camera On and Off

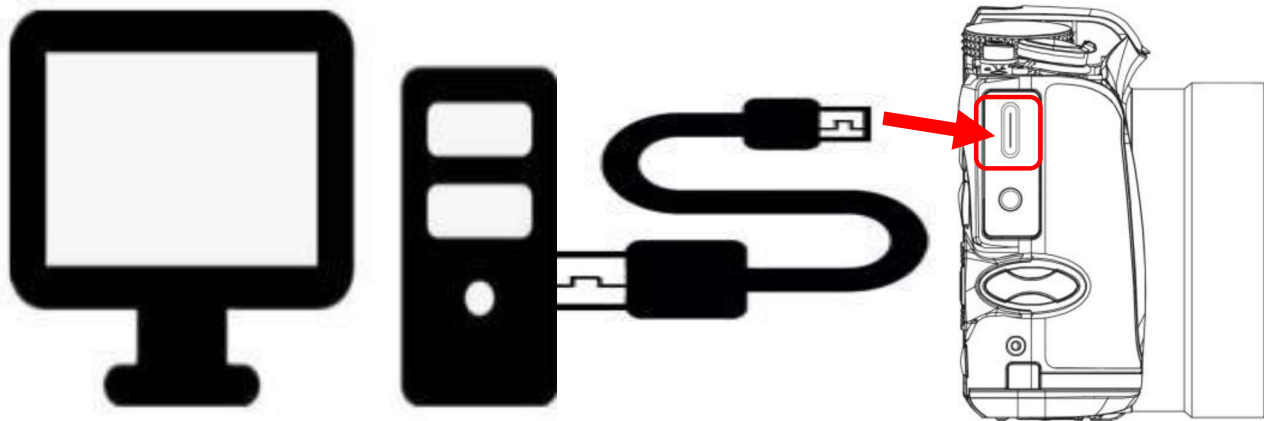
Hold the **POWER** button for 3 seconds to power the camera on. To power the camera off, press and hold the **POWER** button for a further 3 seconds.



If the camera's battery is low, a "Low Battery" message will display on the screen and it will automatically shut down within a few seconds to prevent corruption or loss.

1.9 Connecting to a Computer

Your camera can connect to a computer to transfer photo and video files for viewing and editing, or to use your camera as a PC web cam. To connect the camera to your computer, open the protective cover on the side of the camera to access the USB-C port. Insert the small end of the USB-C plug into the camera's port and the larger end into a USB port on your computer.



NOTE: You must plug directly into an integrated USB port and not into a USB peripheral hub or extension.

Once connected and powered on, the camcorder's screen will display two options as follows:

Recharge Battery Only

will allow you to just recharge the battery using your computer as a power source

Mass Storage Mode

will allow you to access the files on the inserted memory card via your computer.

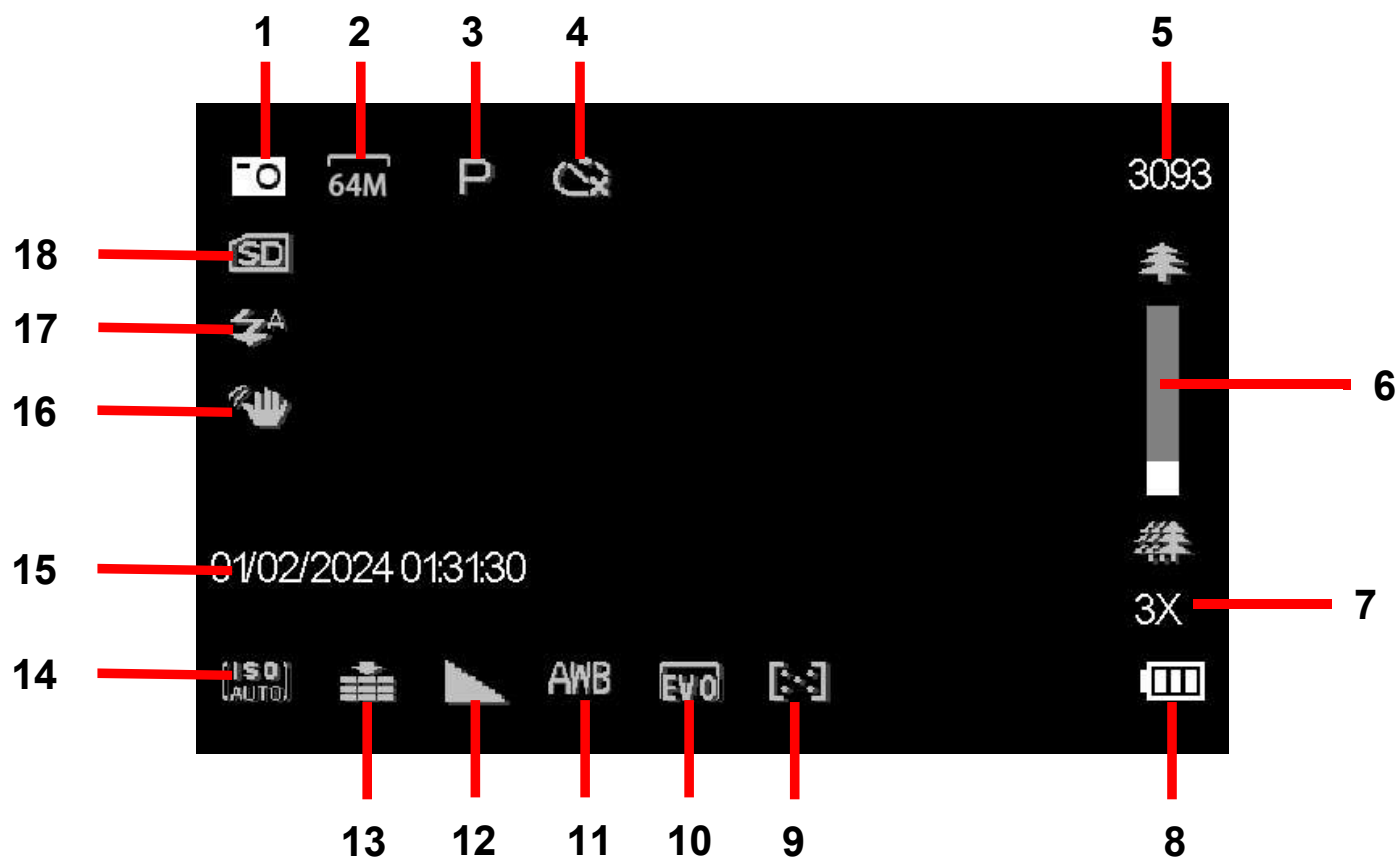
PC Webcam Mode

will allow the camera to function as a PC web cam.

Use the **UP** or **DOWN** buttons to select your desired mode and press the OK button to enter into that mode.

NOTE: When using the camera as a PC Camera, the camera is not able to capture photos or record video.

2.0 Photo Capture Screen Icons



	Function:
1	Current Shooting Mode
2	Resolution Setting
3	Scene Mode
4	Self-Timer Status
5	Remaining Number of Captures
6	Zoom Bar
7	Zoom Value
8	Battery Level Status
9	Metering Setting

	Function:
10	Exposure Value Setting
11	White Balance Setting
12	Sharpness Setting
13	Video Quality
14	ISO Setting
15	Date & Time Imprint
16	Digital Image Stabilization Status
17	Flash Status
18	Memory Card Status

2.1 Photo Capture Screen Icons Explained

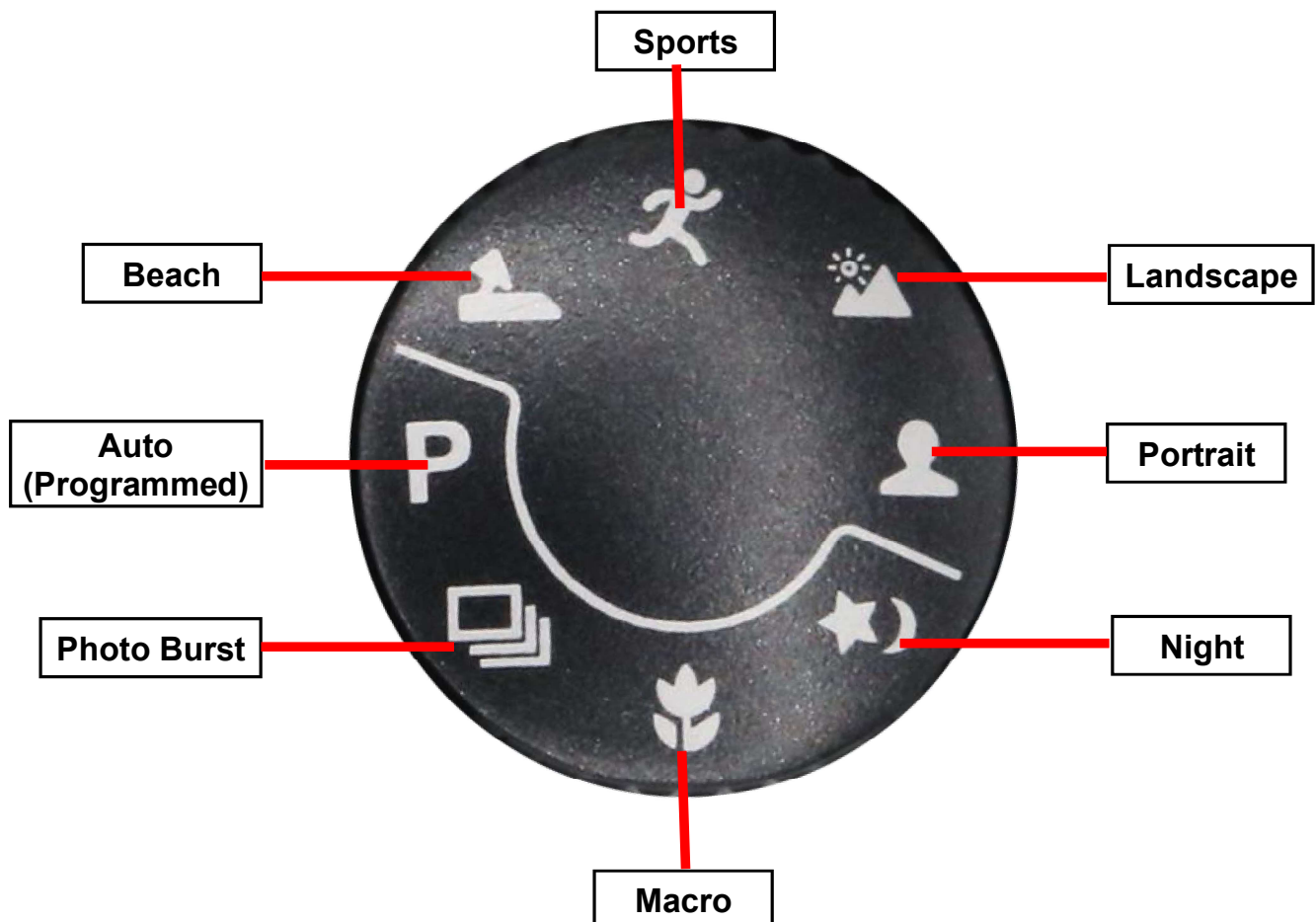
Icon:	Function:
	Photo Mode
	Interval Photo Mode
	Video Mode
	Slow Motion Mode
	Loop Recording Mode
	Time-Lapse Mode
	Photo Burst Mode
	Photo Resolution
	Video Resolution
	White Balance Setting
	Exposure Value Setting

Icon:	Function:
	Metering Setting
	Sharpness Setting
	Flash Setting
	ISO Setting
	Video Quality
	Microphone Setting
	Self-Timer Status
	Memory Card Status
	Scene Mode (Dial)

Capture

2.2 Photo Scene Modes Dial

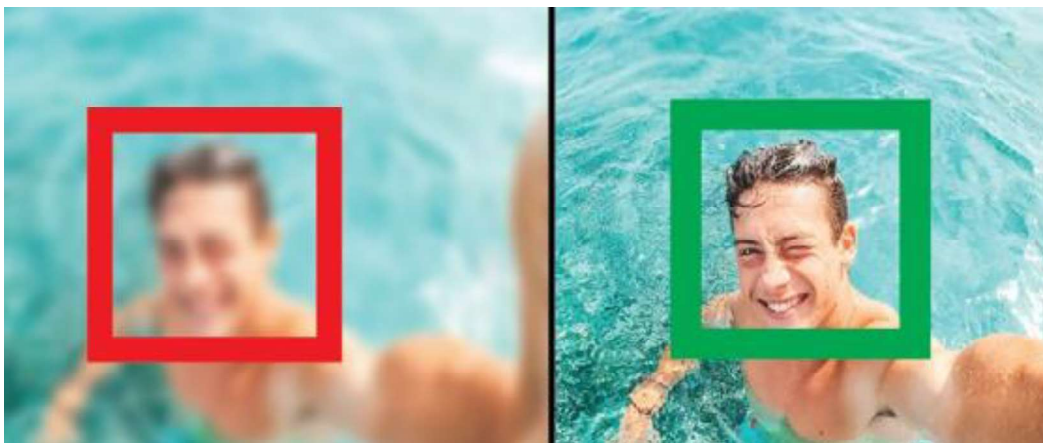
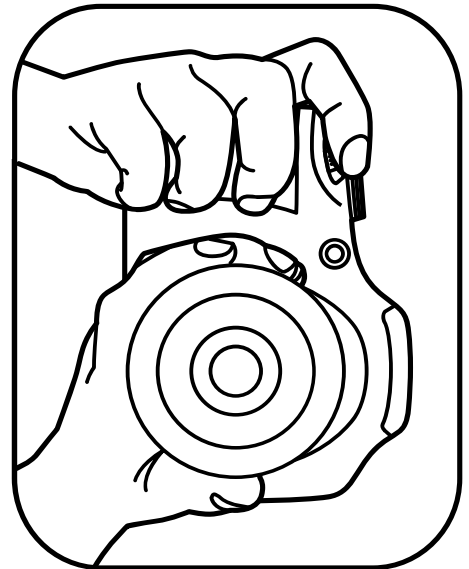
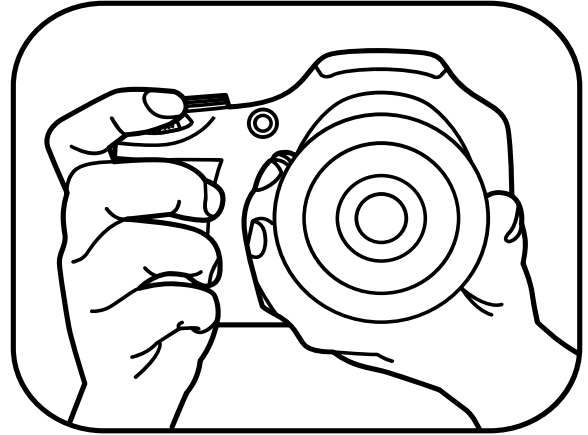
Turn the Scene Mode Dial to switch between the various shooting modes. This function adjusts the camera's settings to predetermined values that will produce the best image for that selected scene.



2.3 Capturing a Photo

- Once you've selected your Scene mode, hold the camera with both hands, being careful to not block the flash and lens with fingers.
- Point the lens toward the object you want to take a picture of, and then frame it with the LCD monitor.
- Use the **ZOOM** lever to select **Tele** or **Wide** positions to zoom in or out on your subject.
- Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **SHUTTER** button down completely to capture the photo.

When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle and make a beep sound to notify you that it has achieved a clear focus. You may then fully press the **SHUTTER** button to capture the photo. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the photo will capture blurry.



NOTES:

- The number of photos that can be captured at a particular resolution will be displayed at the top of the screen.
- The number of remaining photos is determined by the selected photo resolution. The higher the photo resolution setting, the lower the number of photos you are able to save to the memory card. Before capturing any photos, you can select a preferred photo resolution within the settings menu.

2.4 Capturing a Macro Photo (Close-Up)

The MND55 includes an autofocus lens and is capable of super sharp macro or close-up shots. Macro photography is about showcasing a subject larger than it is in real life — an extreme close-up of something very small.

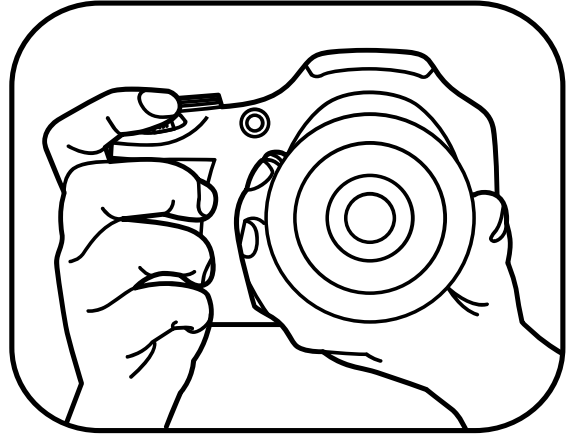
To capture a macro or close-up shot, turn the Scene Mode Dial to **MACRO** mode.

Line up your shot by looking at the LCD screen to see what is in the shot. Hold the camera steady with two hands and half-way press the **SHUTTER** button to auto focus. If the intended subject appears blurry, adjust the distance very slightly and half-way press the **SHUTTER** button again. Once you are satisfied with the focus and clarify, fully press the **SHUTTER** to capture a photo.

2.5 Capturing a Video – One Touch Movie Capture

The MND55 includes a one touch movie capture button. A single press of the **VIDEO** button will put the camera in Video mode to begin recording a video clip.

- Hold the camera with both hands
- Point the lens toward the object you want to take recording and then frame it with the LCD monitor.
- Use the **ZOOM** lever to select **Tele** or **Wide** positions to zoom in or out on your subject.
- Press the **VIDEO** hotkey shown in the figure below. Once pressed, the camera will go into Video mode. Press the **VIDEO** hotkey again automatically begin recording a video clip.



- To stop recording, press the **VIDEO** button.

2.6 Using the Built-in Flash

The flash provides supplemental light for the scene. It is also suitable for metering and shooting in darker scenes to improve the exposure.

1. Pop the flash up manually as shown below:



2. Press the **UP / FLASH** button to enter the Flash menu and cycle through the Auto, Forced, and Off.



NOTE:

Flash is not available when recording a video.

2.7 Using the Zoom Function

The MND55 is equipped with an autofocus lens and a digital zoom function. Digital zoom enlarges your image electronically by cropping and enlarging the central part of the photograph.

To operate the zoom function, push and hold the **T**(ele) button lever to zoom in closer to the subject, and push and hold the **W**(ide) button lever to zoom out, away from the subject.



Shooting Screen with
Zoom Active

2.8 Accessory Attachments

The MND55 supports many different accessory attachment capabilities such as lens filters & attachment and external microphones. The front lens has a 52mm diameter threading for compatible filters and attachments, and the side door features a 3.5mm microphone input.



**52mm Lens
Rim Threading**



**3.5mm Microphone
Input Port**

3.0 Camera Settings Menu

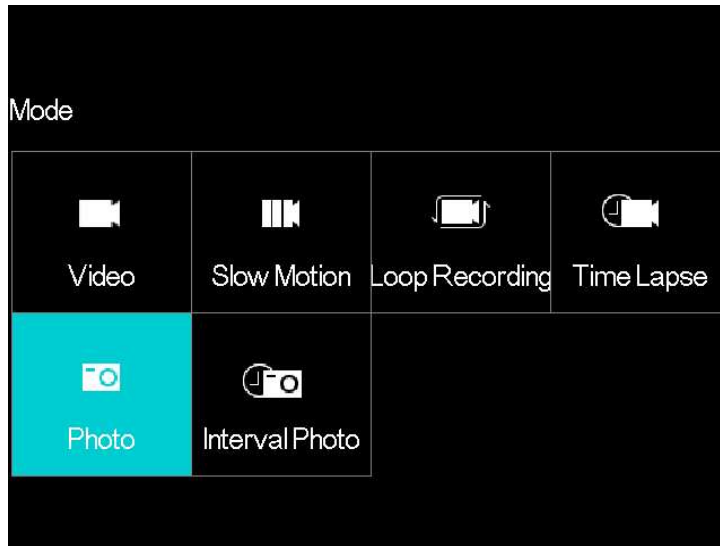
The settings menu is designed to change depending on the current shooting mode the camera is in. For example, when in **PHOTO** mode, the setting menu will only display the settings for **PHOTO** mode. When in **VIDEO** mode, the settings menu will only display the settings for **VIDEO** mode.

To access the settings menu, press the **MENU** button. Once in the menu, press the **UP**, **DOWN**, **LEFT** and **RIGHT** buttons to navigate. To confirm a selection, press the **M** (Mode/OK) button.

The layout of this User Manual will first explain a shooting mode, and will then explain the settings menu for each shooting mode.

3.1 Photo Capture Mode & Settings Menu

Power the camera on and it will be ready to capture pictures right away. You may press the **MODE/OK** button to switch to another mode.



1. Line up your shot by looking at the LCD screen to see what is in the shot.
2. Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **SHUTTER** button down completely to capture the photo.
3. When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle to notify you that it has achieved a clear focus. You may then fully press the **SHUTTER** button to capture the photo. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the photo will capture blurry.
4. The number of photos that can be captured at a particular resolution will be displayed in the top right corner of the screen.
5. The number of remaining photos is determined by the selected photo resolution. The higher the photo resolution, the lower the number of photos you are able to save to the memory card. Before capturing any photos, you can select a preferred photo resolution.

3.1.1 Photo Resolution

This function sets the photo resolution. The higher the resolution, the greater the photo quality and the larger the file size of the photo.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Photo Resolution*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Photo Resolution*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (*64 Mega Pixels, 48 Mega Pixels, 30 Mega Pixels, 12 Mega Pixels*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.2 White Balance

White Balance changes the color of light in your pictures, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.3 Exposure

This function adjusts the frame brightness in your photograph.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.4 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.5 Sharpness

This function adjusts the visible detail of a photograph.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.6 Flash

This function allows to change the flash settings.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Flash*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Flash*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.7 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.8 Date & Time Stamp

This setting allows you to imprint a date & time onto your captured image files. Once an image file is captured with the imprint, the imprint cannot be removed.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Date & Time Stamp*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the time stamp on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.1.9 Digital Image Stabilization

This setting enables capture in high speed and low-light by electronically minimizing motion blur and reducing camera shake.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Digital Image Stabilization*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn stabilization on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.1.10 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.1.11 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.12 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.1.13 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.14 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.15 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.16 Language

This function allows you to set the camera's interface language.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.17 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*YYYY/MM/DD, MM/DD/YYYY, DD-MM-YYYY*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.1.18 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date & Time Setup*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date & Time Setup*' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.1.19 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Format Memory Card*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Format Memory Card*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: This will delete all of your media and cannot be undone.

3.1.20 Camera System Information

This setting displays the current firmware version of your camera.

1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Camera System Information*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.1.21 Restore Default Settings

Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

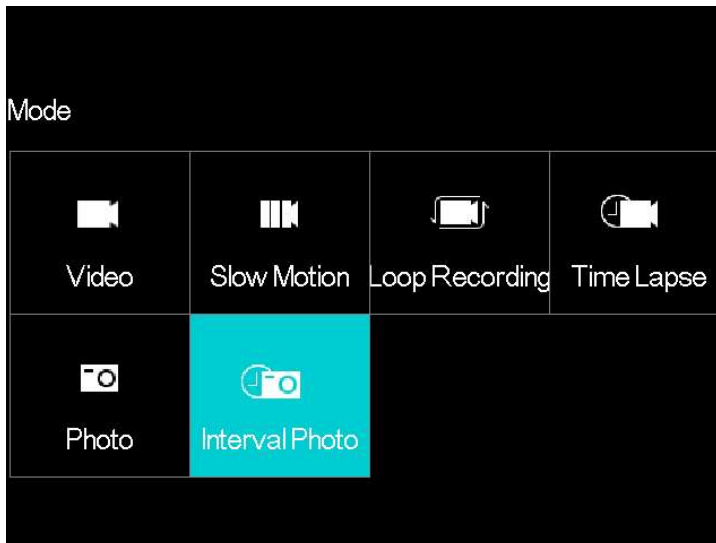
1. In Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Restore Default Settings*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Restore Default Settings*' menu.

5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2 Interval Photo Capture Mode & Settings Menu

Interval Photo mode will allow the camera to automatically capture a single photo at a set interval until stopped.

To enter Interval Photo mode, power the camera on and press the **MODE/OK** button. Use the **LEFT** or **RIGHT** buttons to select Interval Photo and press the **MODE/OK** button to enter the Interval Photo Mode.



1. Line up your shot by looking at the LCD screen to see what is in the shot.
2. Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **SHUTTER** button down completely to capture the photo.
3. When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle to notify you that it has achieved a clear focus. You may then fully press the **SHUTTER** button to capture the photo. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the photo will capture blurry.
4. At the end of each countdown, a new photo will be captured, each captured photo will be saved as an individual file.
5. To end the interval photo, press the **SHUTTER** button.
6. The number of photos that can be captured at a particular resolution will be displayed in the top right corner of the screen.
7. The number of remaining photos is determined by the selected photo resolution. The higher the photo resolution, the lower the number of photos you are able to save to the memory card. Before capturing any photos, you can select a preferred photo resolution.

3.2.1 Photo Resolution

This function sets the photo resolution. The higher the resolution, the greater the photo quality and the larger the file size of the photo.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.

4. Select '*Photo Resolution*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Photo Resolution*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (*64 Mega Pixels, 48 Mega Pixels, 30 Mega Pixels, 12 Mega Pixels*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.2 Interval Duration

This function will allow you set the amount of time between each photo.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Interval Duration*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Interval Duration*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*3 Seconds, 10 Seconds, 15 Seconds, 20 Seconds, 30 Seconds*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.3 White Balance

White Balance changes the color of light in your pictures, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.4 Exposure

This function adjusts the frame brightness in your photograph.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.5 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.6 Sharpness

This function adjusts the visible detail of a photograph.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.7 Flash

This function allows to change the flash settings.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Flash*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Flash*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.8 ISO

This function adjusts the light sensitivity in your photograph.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.9 Date & Time Stamp

This setting allows you to imprint a date & time onto your captured image files. Once an image file is captured with the imprint, the imprint cannot be removed.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Date & Time Stamp*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the time stamp on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.2.10 Digital Image Stabilization

This setting enables capture in high speed and low-light by electronically minimizing motion blur and reducing camera shake.

1. In Photo Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Digital Image Stabilization*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn stabilization on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.2.11 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.2.12 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.13 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK**

button to turn the LED Indicator on or off.

5. Press the **MENU** button to exit the settings menu without making a selection.

3.2.14 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Screen Timeout' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Screen Timeout' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.15 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Auto Power Off' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the 'Auto Power Off' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.16 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Button Sound' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Button Sound' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.17 Language

This function allows you to set the camera's interface language.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Language' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to

enter the *'Language'* menu.

5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.18 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select *'Date Format'* using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the *'Date Format'* menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*YYYY/MM/DD*, *MM/DD/YYYY*, *DD-MM-YYYY*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.2.19 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select *'Date & Time Setup'* using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the *'Date & Time Setup'* menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.2.20 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select *'Format Memory Card'* using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the *'Format Memory Card'* menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format*, *Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *This will delete all of your media and cannot be undone.*

3.2.21 Camera System Information

This setting displays the current firmware version of your camera.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Camera System Information*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

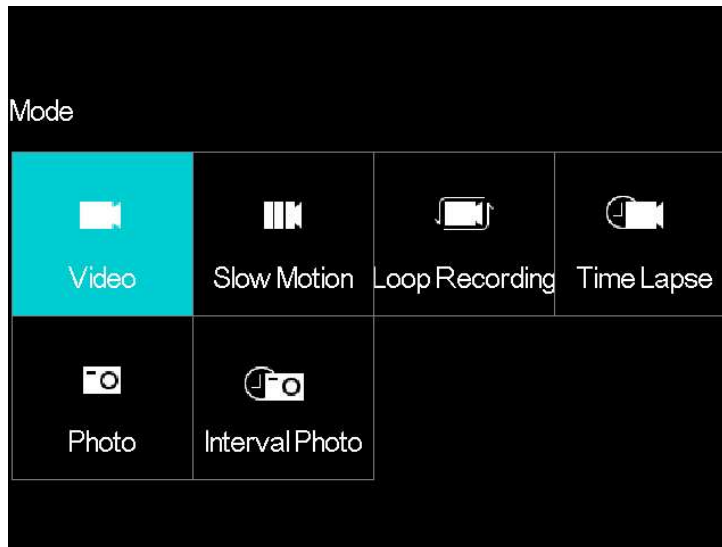
3.2.22 Restore Default Settings

Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Interval Photo Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Restore Default Settings*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Restore Default Settings*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3 Video Recording Mode & Settings Menu

To enter Video Recording mode, power the camera on and press the **MODE/OK** button. Use the **LEFT** or **RIGHT** buttons to select Video and press the **MODE/OK** button to enter Video Mode. You can also press the Video button to quickly enter Video mode.



1. Line up your shot by looking at the LCD screen to see what is in the shot.
2. Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **Video Record** button to begin recording.
3. When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle to notify you that it has achieved a clear focus. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the video will capture blurry.
4. When recording begins, a rolling timer will display at the top right corner of the screen and the LED status light will blink blue. This indicates the recorded video time elapsed.
5. Press the **Video Record** button to stop recording. The recorded video files will automatically save onto the inserted memory card.

3.3.1 Video Resolution

This function sets the video resolution. The higher the resolution, the greater the video quality and the larger the file size of the video.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Resolution*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Resolution*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (*4K 60FPS, 4K 30FPS, 1080P 120FPS*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.2 White Balance

White Balance changes the color of light in your video, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.3 Exposure

This function adjusts the frame brightness in your photograph.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.4 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.5 Sharpness

This function adjusts the visible detail of a video.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.6 Video Quality

This setting allows to set the overall quality of the video file.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Quality*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Quality*' menu
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Super Fine, Fine, Normal*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.7 ISO

This function adjusts the light sensitivity in your video.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.8 Date & Time Stamp

This setting allows you to imprint a date & time onto your captured video files. Once a file is captured with the imprint, the imprint cannot be removed.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Date & Time Stamp*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the date and time stamp on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.3.9 Record Audio

This setting allows you to enable or disable audio capture while recording a video.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Record Audio*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the internal microphone on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.3.10 Focus Mode

This setting allows to set whether the lens will continuously autofocus during a video recording, or will lock the focus as set before beginning a recording.

1. In Video Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Focus Mode*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Focus Mode*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto Focus or Manual Focus*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.11 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.3.12 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.13 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.3.14 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input

before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.15 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.16 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.17 Language

This function allows you to set the camera's interface language.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.18 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*YYYY/MM/DD*, *MM/DD/YYYY*, *DD-MM-YYYY*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.3.19 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date & Time Setup*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date & Time Setup*' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.3.20 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Format Memory Card*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Format Memory Card*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format*, *Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *This will delete all of your media and cannot be undone.*

3.3.21 Camera System Information

This setting displays the current firmware version of your camera.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Camera System Information*' using the **UP** or **DOWN** buttons and press the

MODE/OK button to enter the menu.

5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.3.22 Restore Default Settings

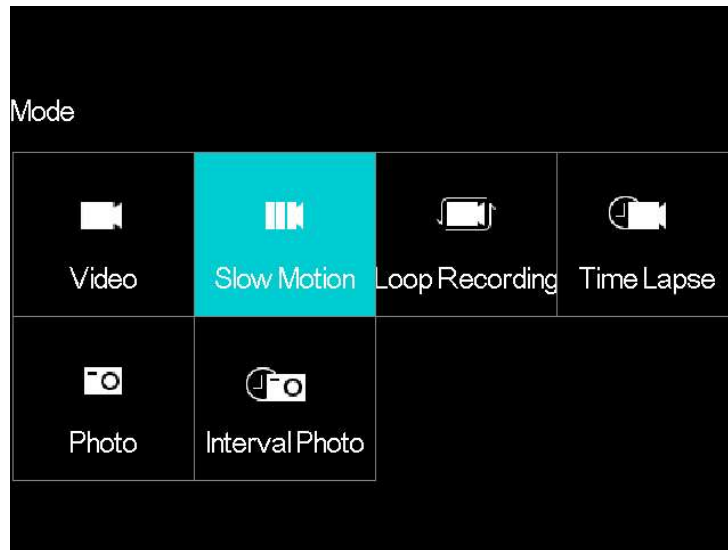
Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Video Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Restore Default Settings*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Restore Default Settings*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4 Slow Motion Mode & Settings Menu

Videos recorded in slow motion are recorded at a much higher frames per second and when played back, show movement at a much slower rate.

To enter Slow Motion mode, power the camera on and press the **MODE/OK** button. Use the **LEFT** or **RIGHT** buttons to select and press the **MODE/OK** button to enter Slow Motion Mode.



1. Line up your shot by looking at the LCD screen to see what is in the shot.
2. Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **Video Record** button to begin recording.
3. When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle to notify you that it has achieved a clear focus. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the video will capture blurry.
4. When recording begins, a rolling timer will display at the top right corner of the screen and the LED status light will blink blue. This indicates the recorded video time elapsed.
5. Press the **Video Record** button to stop recording. The recorded video files will automatically save onto the inserted memory card.

3.4.1 Slow Motion Rate

This function allows you to set the rate that the video is recorded in. If you select "1080P 4X", your video will playback at 1/4 speed and if you choose "1080P 2X", then your video will playback at 1/2 speed.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Slow Motion Rate*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Slow Motion Rate*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (*1080P 4X*, *1080P 2X*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.2 White Balance

White Balance changes the color of light in your video, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.3 Exposure

This function adjusts the frame brightness in your photograph.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (-3, -2, -1, 0, +1, +2, +3).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.4 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.5 Sharpness

This function adjusts the visible detail of a video.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.6 Video Quality

This setting allows to set the overall quality of the video file.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Quality*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Quality*' menu
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Super Fine, Fine, Normal*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.7 Focus Mode

This setting allows to set whether the lens will continuously autofocus during a video recording, or will lock the focus as set before beginning a recording.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Focus Mode*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Focus Mode*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto Focus or Manual Focus*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.8 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.4.9 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.

6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.10 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.4.11 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.12 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.13 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.14 Language

This function allows you to set the camera's interface language.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.15 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (YYYY/MM/DD, MM/DD/YYYY, DD-MM-YYYY).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.4.16 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date & Time Setup*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date & Time Setup*' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.4.17 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Format Memory Card*' using the **UP** or **DOWN** buttons and press the

MODE/OK button to enter the 'Format Memory Card' menu.

5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *This will delete all of your media and cannot be undone.*

3.4.18 Camera System Information

This setting displays the current firmware version of your camera.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Camera System Information' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.4.19 Restore Default Settings

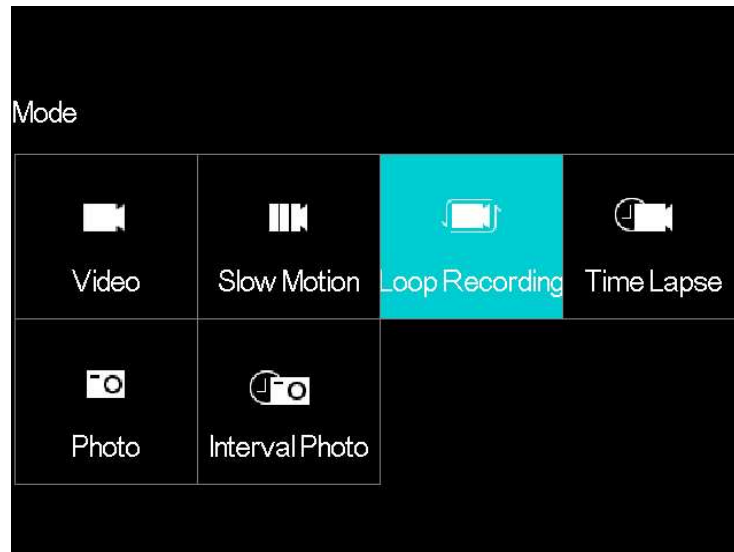
Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Slow Motion Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Restore Default Settings' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Restore Default Settings' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5 Loop Recording Mode & Settings Menu

Loop Recording is a video recording mode in which you can set a maximum duration for each video clip recorded. Once you press the Video Record button, the camera will continue recording up until the maximum duration and will then automatically begin recording a new video clip. This cycle will continue until you stop recording, or the memory card reaches maximum capacity.

To enter Loop Recording mode, power the camera on and press the **MODE/OK** button. Use the **LEFT** or **RIGHT** buttons to select and press the **MODE/OK** button to enter Slow Motion Mode.



3.5.1 Video Resolution

This function sets the video resolution. The higher the resolution, the greater the video quality and the larger the file size of the video.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select 'Video Resolution' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Video Resolution' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (4K 60FPS, 4K 30FPS, 1080P 120FPS).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.2 Loop Duration

This function sets the video resolution. The higher the resolution, the greater the video quality and the larger the file size of the video.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select 'Loop Duration' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Loop Duration' menu.

5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected setting (*2 Minutes, 3 Minutes, 5 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.3 White Balance

White Balance changes the color of light in your video, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

7. In Loop Recording Mode press the **MENU** button.
1. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
2. Press the **RIGHT** button to enter the settings menu.
3. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
4. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
5. Press the **MENU** button to exit the settings menu without making a selection.

3.5.4 Exposure

This function adjusts the frame brightness in your photograph.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.5 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.6 Sharpness

This function adjusts the visible detail of a video.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.

4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.7 Video Quality

This setting allows to set the overall quality of the video file.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Quality*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Quality*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Super Fine, Fine, Normal*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.8 ISO

This function adjusts the light sensitivity in your video.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.9 Date & Time Stamp

This setting allows you to imprint a date & time onto your captured video files. Once a file is captured with the imprint, the imprint cannot be removed.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Date & Time Stamp*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the time stamp on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.5.10 Record Audio

This setting allows you to enable or disable audio capture while recording a video.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Record Audio*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the internal microphone on or off.

5. Press the **MENU** button to exit the settings menu without making a selection.

3.5.11 Focus Mode

This setting allows to set whether the lens will continuously autofocus during a video recording, or will lock the focus as set before beginning a recording.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Focus Mode*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Focus Mode*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto Focus* or *Manual Focus*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.12 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.5.13 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto*, *50 Hz*, *60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.14 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.5.15 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.16 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.17 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.18 Language

This function allows you to set the camera's interface language.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.

6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.19 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*YYYY/MM/DD*, *MM/DD/YYYY*, *DD-MM-YYYY*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.5.20 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date & Time Setup*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date & Time Setup*' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.5.21 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Format Memory Card*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Format Memory Card*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format*, *Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *This will delete all of your media and cannot be undone.*

3.5.22 Camera System Information

This setting displays the current firmware version of your camera.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.

3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Camera System Information*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.5.23 Restore Default Settings

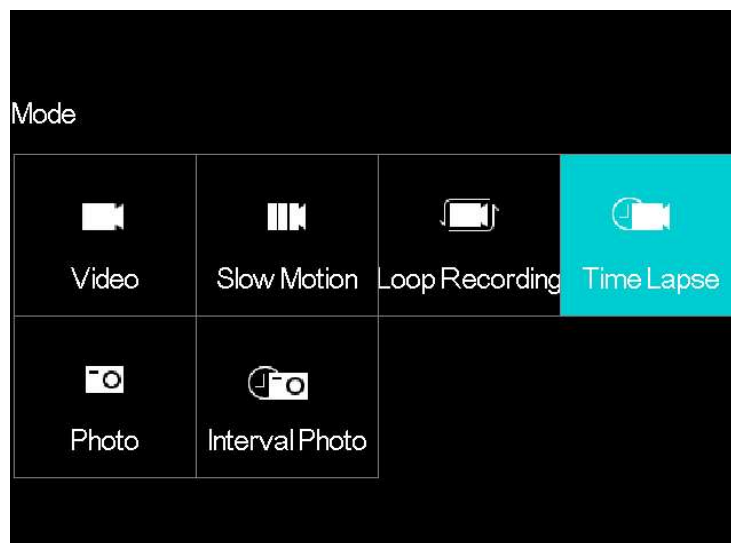
Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Loop Recording Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Restore Default Settings*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Restore Default Settings*' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6 Time-Lapse Mode & Settings Menu

Time-lapse photography is a photographic technique in which the frequency at which photo frames are captured (the frame rate) is much lower than the frequency used to view the sequence. When played at normal speed, time appears to be moving faster and thus “lapsing”. For example, an image of a scene may be captured at 1 frame per second but then played back at 30 frames per second; the result is an apparent 30 times speed increase. This mode will capture a sequence of frames at a set interval to record changes that take place slowly over time. When the frames are shown at normal speed, the action seems much faster.

To enter Time-Lapse mode, power the camera on and press the **MODE/OK** button. Use the **LEFT** or **RIGHT** buttons to select and press the **MODE/OK** button to enter Time-Lapse Mode.



3.6.1 Video Resolution

This function sets the video resolution. The higher the resolution, the greater the video quality and the larger the file size of the video.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select 'Video Resolution' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Video Resolution' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (4K, 1080P).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.2 Time-Lapse Interval

This setting allows you to set the amount of time in between image captures for the time-lapse. For example, a setting of 2 Seconds will set the camera to capture an image every 2 seconds duration the duration of recording.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.

3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Time Lapse Interval*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Time Lapse Interval*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected setting (*0.5 Seconds, 1 Second, 2 Seconds, 5 Seconds, 10 Seconds, 30 Seconds, 60 Seconds*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *By selecting '10 Seconds' the camera will capture a single frame every 10 seconds and create a video combining all of the captured images.*

Reference the table below for the length of time it will take to record 1 second of video for each option;

Interval Duration Option	Length of time to record 1 second of video
0.5 Seconds	15 Seconds
1 Second	30 Seconds
2 Seconds	60 Seconds
5 Seconds	150 Seconds
10 Seconds	300 Seconds
30 Seconds	900 Seconds
60 Seconds	1,800 Seconds

3.6.3 Video Duration

This setting allows you to set the length of the final time lapse video.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Duration*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Duration*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected setting (*Unlimited, 6 Seconds, 8 Seconds, 10 Seconds, 20 Seconds, 30 Seconds, 60 Seconds, 120 Seconds*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *By selecting '10 Seconds', the time lapse will automatically stop recording when the final video is 10 seconds long. The actual length of time that it will take to record the 10 second video will depend on the interval duration as explained in the Time Lapse Interval section.*

3.6.4 Focus Mode

This setting allows to set whether the lens will continuously autofocus during a video recording, or will lock the focus as set before beginning a recording.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or

DOWN buttons.

3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Focus Mode*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Focus Mode*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto Focus or Manual Focus*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.5 White Balance

White Balance changes the color of light in your video, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.6 Exposure

This function adjusts the frame brightness in your photograph.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.7 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.8 Sharpness

This function adjusts the visible detail of a video.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.9 ISO

This function adjusts the light sensitivity in your video.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.10 Video Quality

This setting allows to set the overall quality of the video file.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Video Quality*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Video Quality*' menu
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Super Fine, Fine, Normal*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.11 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.6.12 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT**

button, and then pressing the **DOWN** button.

3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.13 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.6.14 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.15 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.16 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Time Lapse Mode press the **MENU** button.

2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.17 Language

This function allows you to set the camera's interface language.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.18 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*YYYY/MM/DD, MM/DD/YYYY, DD-MM-YYYY*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.6.19 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date & Time Setup*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date & Time Setup*' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.6.20 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Format Memory Card' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Format Memory Card' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: *This will delete all of your media and cannot be undone.*

3.6.21 Camera System Information

This setting displays the current firmware version of your camera.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Camera System Information' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.6.22 Restore Default Settings

Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Time Lapse Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Restore Default Settings' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Restore Default Settings' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7 Photo Burst Capture Mode & Settings Menu

Photo Burst automatically captures photos sequentially based on the setting defined in the menus. Press the shutter button and the camera will begin capturing automatically. Note that when shooting in this mode, the Flash is disabled and cannot be used.



1. Line up your shot by looking at the LCD screen to see what is in the shot.
2. Press the **SHUTTER** button halfway to focus on the subject. When the focus frame turns green, press the **SHUTTER** button down completely to capture the photo.
3. When half-pressing the **SHUTTER** button, the lens will attempt to focus on your intended subject. Once a satisfactory focus is achieved, the monitor will display a green rectangle to notify you that it has achieved a clear focus. You may then fully press the **SHUTTER** button to capture the photo. If the monitor displays a red rectangle, then the lens cannot achieve a clear focus and you need to adjust your shooting distance or the photo will capture blurry.
4. The number of photos that can be captured at a particular resolution will be displayed in the top right corner of the screen.
5. The number of remaining photos is determined by the selected photo resolution. The higher the photo resolution, the lower the number of photos you are able to save to the memory card. Before capturing any photos, you can select a preferred photo resolution.

3.7.1 Photo Resolution

This function sets the photo resolution. The higher the resolution, the greater the photo quality and the larger the file size of the photo.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Photo Resolution*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Photo Resolution*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected resolution (*24 Mega Pixels, 18 Mega Pixels, 12 Mega Pixels*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.2 Photo Burst

This setting will allow you set how many photos are captured in sequence with each shutter button press.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Photo Burst*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Photo Burst*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*3-Photo Burst, 5-Photo Burst, 10-Photo Burst*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.3 White Balance

White Balance changes the color of light in your pictures, making it seem warmer or cooler depending on how the light you're shooting in affects the frame.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*White Balance*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*White Balance*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, Sunny, Cloudy, Incandescent, Florescent*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.4 Exposure

This function adjusts the frame brightness in your photograph.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Exposure*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Exposure*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*-3, -2, -1, 0, +1, +2, +3*).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.5 Metering

Metering mode refers to the way in which a camera determines the appropriate exposure (quantity of light reaching the camera lens). Spot metering will only base the exposure setting on a very small area of the scene. Center metering will use the light from the center of the LCD and the Multi setting measures the light at several points on the screen.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Metering*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Metering*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Multi, Center, Spot, Matrix*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.6 Sharpness

This function adjusts the visible detail of a photograph.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Sharpness*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Sharpness*' menu.
5. Use the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Sharp, Normal, Soft*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.7 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*ISO*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*ISO*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*ISO Auto, 100, 200, 400, 800, 1600, 3200, 6400*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.8 Date & Time Stamp

This setting allows you to imprint a date & time onto your captured image files. Once an image file is captured with the imprint, the imprint cannot be removed.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Camera icon on the top of the left side of the screen using the **UP** or **DOWN** buttons.
3. Press the **RIGHT** button to enter the settings menu.
4. Select '*Date & Time Stamp*' using the **UP** or **DOWN** buttons and press the **MODE/OK**

button to turn the date and time stamp on or off.

5. Press the **MENU** button to exit the settings menu without making a selection.

3.7.9 Image Rotation

This option will flip the image on the LCD screen 180 degrees.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Image Rotation*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn Image Rotation on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.7.10 Frequency

This function sets the frequency of the camera from 50Hz to 60Hz. Please check the frequency of your location and set accordingly.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Frequency*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Frequency*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Auto, 50 Hz, 60 Hz*) the default frequency for the United States is 60Hz.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.11 LED Indicator

This function allows you turn the LED status indicator on and off.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*LED Indicator*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to turn the LED Indicator on or off.
5. Press the **MENU** button to exit the settings menu without making a selection.

3.7.12 Screen Timeout

This function sets the duration of time in which the camcorder will wait with no user input before automatically turning off the LCD screen. Note: even while the screen is off, the camera will still be powered on.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Screen Timeout*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Screen Timeout*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 30 Seconds, 1 Minute, 2 Minutes, 10*

Minutes).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.13 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Auto Power Off*' using the **UP** or **DOWN** buttons, and press the **MODE/OK** button to enter the '*Auto Power Off*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, 3 Minutes, 5 Minutes, 10 Minutes*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.14 Button Sound

This function allows you to turn off the sounds of the camera.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Button Sound*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Button Sound*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Off, On*).
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.15 Language

This function allows you to set the camera's interface language.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Language*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Language*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected language.
6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.16 Date Format

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select '*Date Format*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Date Format*' menu.
5. Press the **UP** or **DOWN** buttons to navigate the menu, and press the **MODE/OK**

button to confirm your selected option (YYYY/MM/DD, MM/DD/YYYY, DD-MM-YYYY).

6. Press the **MENU** button to exit the settings menu without making a selection.

3.7.17 Date & Time Setup

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Date & Time Setup' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Date & Time Setup' menu.
5. Press the **UP** or **DOWN** buttons to change the value of the highlighted field.
6. Press the **LEFT** or **RIGHT** buttons to change to the next field.
7. Press the **MODE/OK** button to save the date and time and to exit the settings menu.
8. You can also press the **MENU** button to exit the settings menu without making a selection.

3.7.18 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Format Memory Card' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the 'Format Memory Card' menu.
5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Format, Cancel*).
6. Press the **MENU** button to exit the settings menu without making a selection.

NOTE: This will delete all of your media and cannot be undone.

3.7.19 Camera System Information

This setting displays the current firmware version of your camera.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select 'Camera System Information' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the menu.
5. Press the **OK** button to exit, and press the **MENU** button to exit the settings menu without making a selection.

3.7.20 Restore Default Settings

Factory default settings can be restored in this menu. This function will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Photo Burst Mode press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT**

- button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
 4. Select '*Restore Default Settings*' using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enter the '*Restore Default Settings*' menu.
 5. Press the **LEFT** or **RIGHT** buttons to navigate the menu, and press the **MODE/OK** button to confirm your selected option (*Confirm, Cancel*).
 6. Press the **MENU** button to exit the settings menu without making a selection.

4.0 Playback Mode

To enter Playback mode, simply press the **PLAYBACK** button as shown in the figure below. In this mode, you can review all of the photos and videos captured.

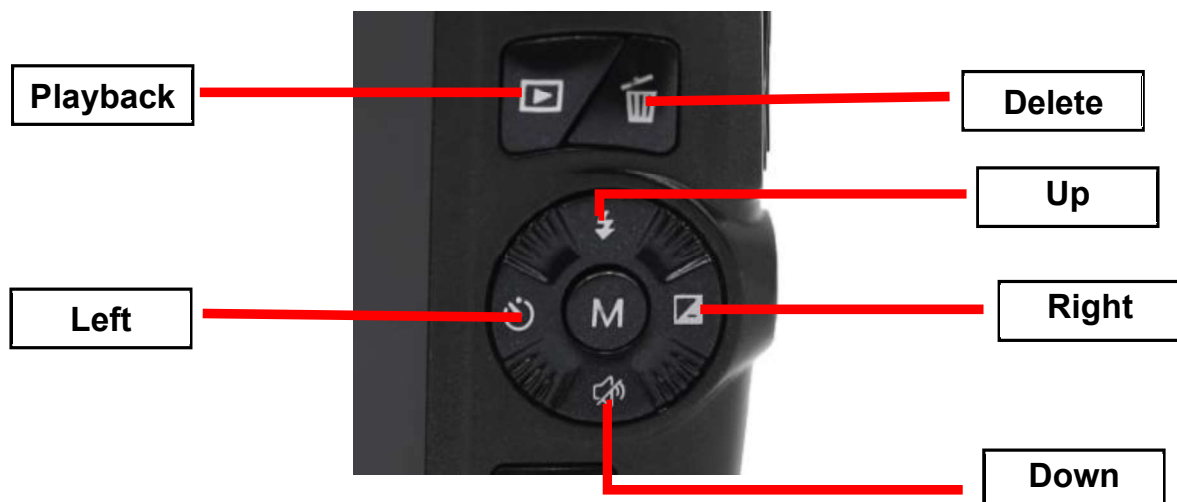
Press the **LEFT** and **RIGHT** buttons to scroll through your photo and video files. Press the **MODE/OK** button to view the selected file.



When viewing a photo press and hold the **ZOOM IN** button to zoom in on the picture on the screen; press and hold the **ZOOM OUT** button to view the entire image. While zoomed in, use the **UP**, **DOWN**, **LEFT** or **RIGHT** buttons to move the image on the screen.

While viewing a recorded video, press the **MODE/OK** button to start the video, press the **MODE/OK** button again to pause the video.

Press the **DELETE** button to delete the current photo or video. To exit Playback mode and return back to shooting, press the **PLAYBACK** button again.



5.0 Wi-Fi

This setting allows to enable or disable Wi-Fi for connecting your camera to your smartphone. When connecting your MND55 to your smartphone, you can utilize your smartphone as a remote viewfinder with live viewing, fully control your camera, and transfer all captured photos and videos to your smartphone.

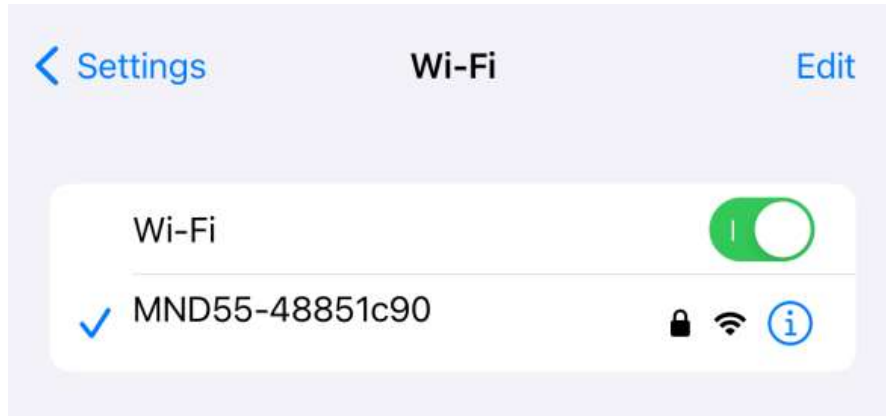
To wirelessly operate the MND55 camera, you will first need to install the “ELook Pro” app on your Android or iOS device. To download the app, search for “ELook Pro” in the Apple App Store or Google Play Store. You may also scan the QR code that will be shown on the camera’s LCD monitor once your camera’s Wi-Fi has been enabled.

1. To access the camera’s Wi-Fi settings in any mode, press the **MENU** button.
2. Select the Gear icon on the bottom of the left side of the screen by pressing the **LEFT** button, and then pressing the **DOWN** button.
3. Press the **RIGHT** button to enter the setup menu.
4. Select ‘Wi-Fi’ using the **UP** or **DOWN** buttons and press the **MODE/OK** button to enable Wi-Fi. The Wi-Fi status screen will now display and will broadcast a Wi-Fi signal.

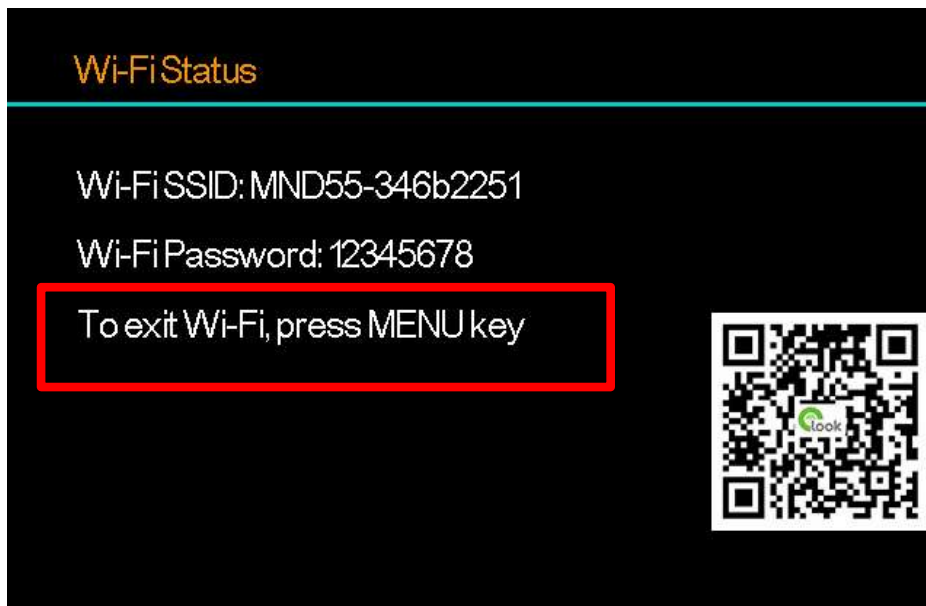
Once you enable Wi-Fi, the **SSID** (camera’s Wi-Fi network name) and **password** are displayed here for connecting to your smartphone.



Open your smartphone's Wi-Fi menu, turn all Wi-Fi settings On and tap the network named "**MND55_XXXXXXX**" to connect to the camera. When prompted, enter the password **12345678**.



If your smartphone is having trouble finding the camera's Wi-Fi name, press the **MENU** again to exit the Wi-Fi status screen and try re-enabling the Wi-Fi setting.



Once connected successfully, exit the Wi-Fi menu on your smartphone and open the “ELook Pro” app to launch remote operation of your camera.

NOTE: When first launching the app on your Apple smartphone, you may be prompted to allow the app to use your location. Select “**Allow Once**” or “**Allow While Using App**”. This will allow the app to communicate with your camera and will allow the app to work properly. The app will not operate properly with your camera if you select “Don't Allow”.

As part of the iOS operating system, your smartphone's *Location Settings* must be enabled in order to allow proper communication between your smartphone and your Minolta camera. If not enabled, it will prevent your camera from connecting to the ELook Pro app.



To exit Wi-Fi mode on your camera, press the **MENU** button. Press the **MENU** button again to exit setting and your camera will return to the main shooting screen.



5.1.1 Wi-Fi and Smartphone App Guide

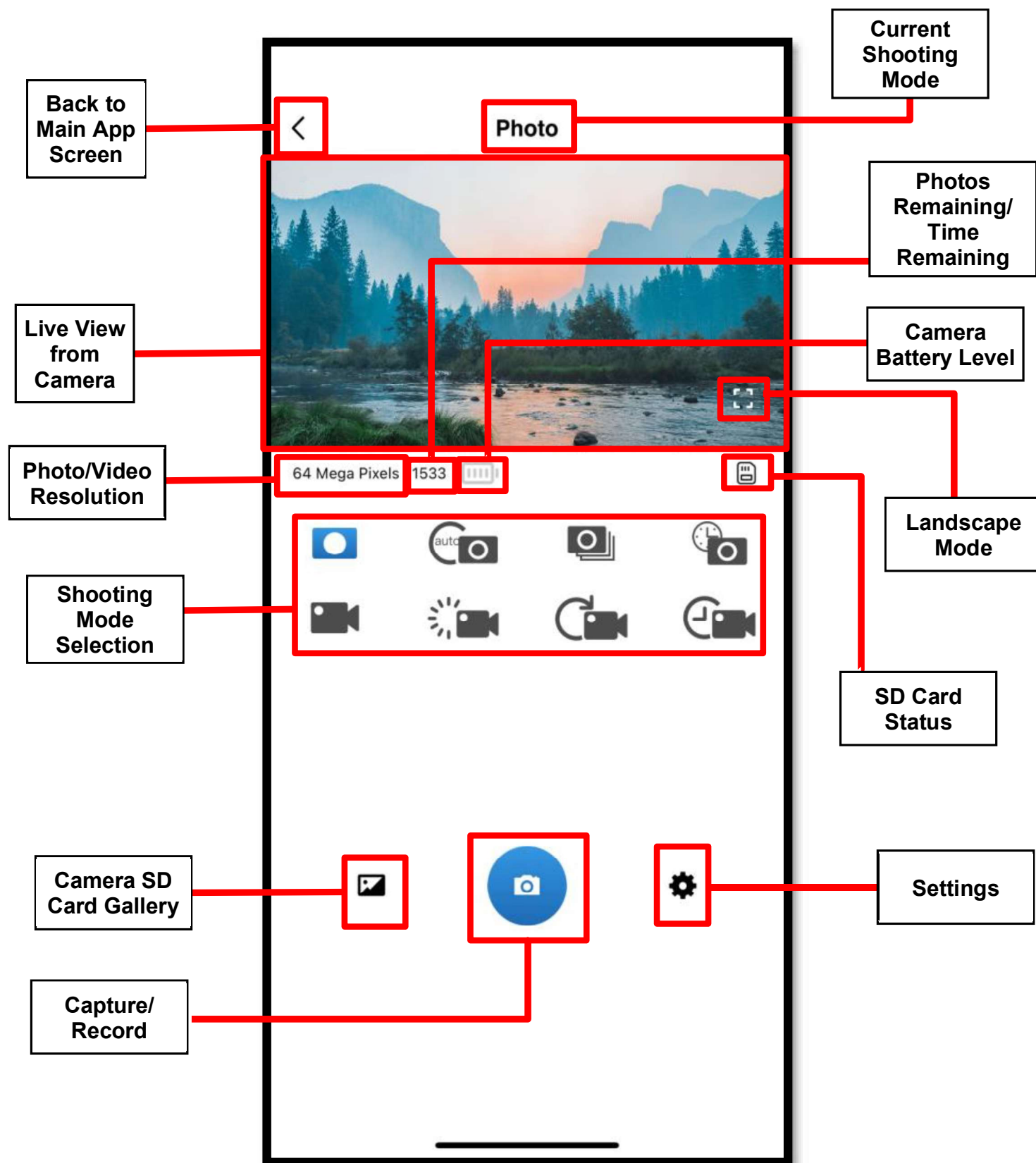
The figures provided in this user manual will offer a simple guide and explanation of the “ELook Pro” app. Note that the “ELook Pro” smartphone app may be updated periodically and the version displayed on your smartphone may differ slightly than the figures shown in this user manual.

After following the instructions on enabling Wi-Fi on your MND55 and connecting to your smartphone, exit the Wi-Fi menu on your smartphone and open the “E-Look Pro” app to launch remote operation of your camera.

Once the “ELook Pro” app launches, you’ll be prompted with the below app screen. Tap **Connect Devices** on your screen and your camera should connect automatically and display a live video feed.



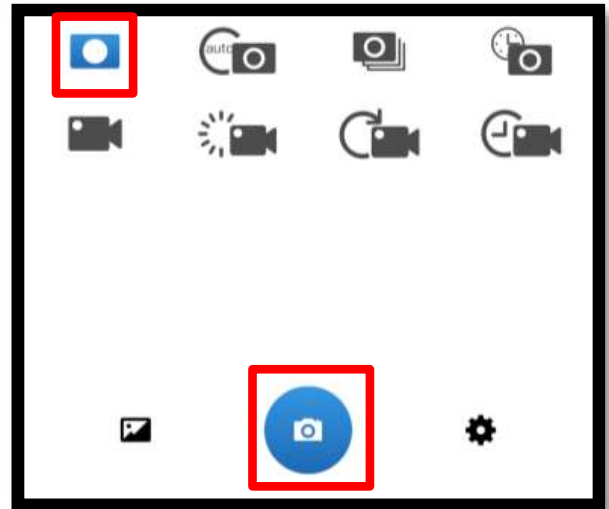
5.1.2 Smartphone App Main Screen Explanation



5.1.3 Smartphone App Operation

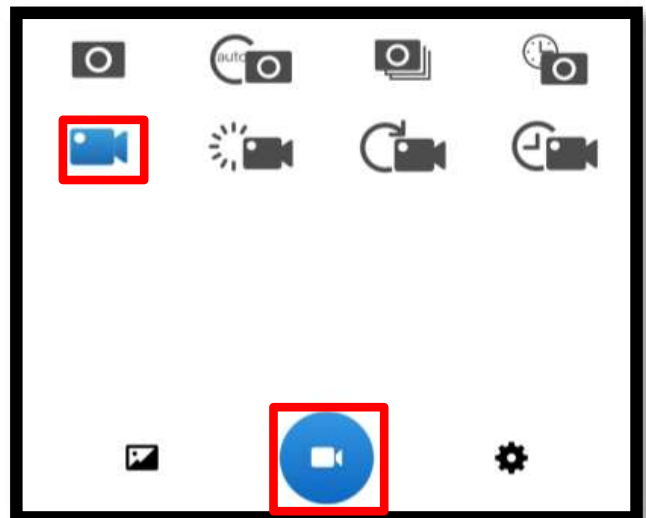
Capture Photo

To capture a photo, make sure you are in Photo Shooting mode by tapping the **Camera** icon. Once in Photo Shooting mode, tap the blue **Capture** icon and a photo will capture.



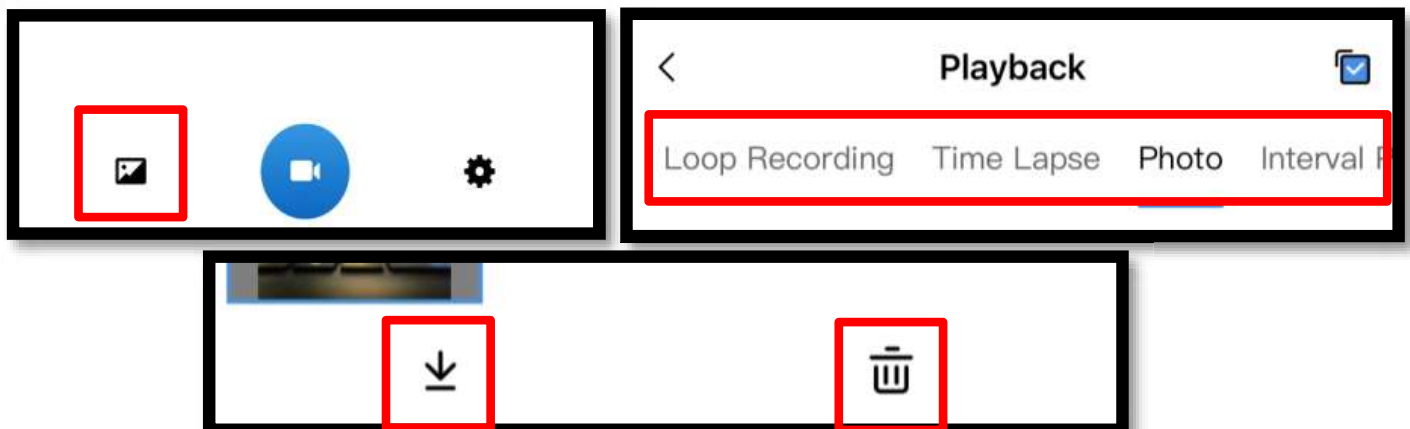
Record Video

To capture a photo, make sure you are in Video Shooting mode by tapping the **Video** icon. Once in Video Shooting mode, tap the red **Capture** icon and a photo will capture.



Download Photos & Videos to Smartphone

Tap the **Gallery** icon to access all photos and videos stored on your camera's SD memory card. Once you enter the Gallery, scroll to one of the shooting modes at the top. Now tap on a photo or video file to preview. Then tap the **Download** button in the bottom corner. You may also **Delete** a file from this same screen.



6.0 Technical Specifications

Model Number	Minolta MND55
Lens	Auto Focus • f=3.95mm • F/2.2 • 52mm Front Threading for Accessory Attachments
Zoom	16X Digital Zoom
Image Sensor	12MP Sony CMOS Sensor
Shutter	Electronic • Digital Image Stabilization
Pixels (photo)	JPEG: 64 Mega Pixels • 48 Mega Pixels • 30 Mega Pixels • 24 Mega Pixels • 18 Mega Pixels • 12 Mega Pixels
Pixels (video)	MP4: 4K (60FPS) • 4K (30FPS) • 1080P (120FPS)
ISO Sensitivity	Auto • 100 • 200 • 400 • 800 • 1600 • 3200 • 6400
LCD Monitor	3.0" IPS LCD
Assistive Light	Flash Strobe Pop-up (Manual)
Auto Power Off	OFF • 3 Minutes • 5 Minutes • 10 Minutes
White Balance Control	Auto • Sunny • Cloudy • Incandescent • Fluorescent
Scene Modes	Auto • Macro • Night • Portrait • Landscape • Sports • Beach
Recording Media	SD • SDXC; Maximum: 128GB
Wireless	Wi-Fi 802.11 b/g/n
I/O Ports	USB-C • Microphone (built-in) • Microphone (3.5mm) • Speaker (built-in)
Power	Lithium-Ion 3.7V, 1500mAh (NP-40)
Dimensions	4.54 x 2.2 x 2.96 in. • 8.4 oz.



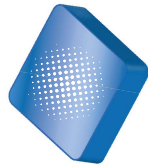
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