



MNX5K1



MNX5K1 User Manual

About this Manual

Congratulations on purchasing the Minolta MNX5K1 Sports & Action Camcorder! 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 camcorder.

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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

Camcorder Information

- Do not disassemble or attempt to service the camcorder yourself.
- Do not expose the camcorder to moisture, or extreme temperatures.
- Allow the camcorder to warm up when moving from cold to warm temperatures.
- Do not touch and put pressure on the camcorder 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, please do not use the camcorder while you are walking, driving or riding a vehicle.
- Please handle the camcorder 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 camcorder before installing or removing the battery.
- Use only the provided batteries or type of battery and charger that came with your camcorder. 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 camcorder is used for an extended period of time, it is normal for the camcorder body to feel warm.
- Download all pictures and remove the battery from the camcorder if you are going to store the camcorder 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.
- Please 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. Please 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 camcorder.

Waterproof and Dustproof Information

- The waterproof and dustproof performance described do not guarantee that the camcorder will remain completely waterproof or free from damage and trouble under all conditions.
- Do not subject the camcorder to excessive shock, Vibration or pressure by dropping it, hitting it or placing a heavy object on it. Failure to observe this precaution could deform the camcorder, cause water to seep inside, or damage the airtight seals, resulting in camcorder malfunction.
- The camcorder case must be closed securely and the lock engaged in order for the camcorder to be waterproof. Failure to do this can allow water to enter the camcorder and damage it.

The camcorder can shoot images underwater at a depth of 30m (100ft) for up to 60 minutes.

- The camcorder is only waterproof when installed in the camcorder case and the case closed securely.
- Do not drop the camcorder, strike it against a hard object such as a rock, or throw it against a water surface.
- Do not subject the camcorder to shock when using it underwater.
- Do not expose to depths greater than 30m (100ft) underwater.
- Do not continuously use the camcorder underwater for 60 minutes or more.
- Do not insert a wet memory card or battery in the camcorder.
- Do not open the battery cover when the camcorder or your hands are wet. Doing so may cause water to seep inside the camcorder or result in camcorder malfunction.
- Do not open the camcorder case underwater.
- If moisture such as water droplets adheres to the outside of the camcorder or inside of the battery cover, immediately wipe it off with a soft dry cloth.
- If a foreign substance adheres to the outside of the camcorder or inside of the battery cover, immediately remove it with a soft cloth.
- Do not leave the camcorder in cold conditions or hot conditions of 40°C (104°F) or more for a long period of time.
- When using the camcorder underwater, make sure the water temperature is from 0°C-40°C (32°F to 104°F).
- Do not use the camcorder in hot springs.

Before Using the camcorder Underwater

Check the items below before using the camcorder underwater.

- Make sure that there are no foreign substances inside the camcorder case cover.
- Make sure that the waterproof seal of the camcorder case door is not cracked or deformed.
- Failure to follow these steps can result in damage to the camcorder.

Notes about Opening and Closing the Camcorder Case Door

- Make sure the camcorder and your hands are not wet.
- Make sure that the camcorder case door cover is closed and the lock is in the lock position.

Precautions When Cleaning

- Do not puncture the microphone or speaker openings with a sharp implement.
- If the inside of the camcorder case 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 Camcorder

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 camcorder 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 camcorder. Intense light may cause the image sensor to deteriorate or produce a white blur effect in photographs.

Turn 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.

The Battery

Precautions for Use

- 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 camcorder or optional battery charger, put the battery in a plastic bag, etc. in order to insulate it.

Charging the Battery

Check the battery level before using the camcorder 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 camcorder 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.

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 camcorder 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. Please recycle used batteries in accordance with local regulations.

Cleaning After Using the Camcorder Underwater

Follow the procedure below to rinse the camcorder case with fresh water within 30 minutes after using it under saltwater or at the beach.

1. Keep the camcorder case door closed and wash off the case with fresh water. Immerse the case in a shallow basin filled with fresh water for 10 minutes.
2. Immerse the camcorder case in fresh water and shake it sufficiently in the

- water to remove any foreign substances from the case.
3. When the camcorder is immersed in the water, a few air bubbles may come out from the water drain holes of the camcorder case such as openings in the microphone or speakers. This is not a malfunction.
 4. Wipe off water droplets with soft cloth and dry the camcorder case in a well-ventilated and shady place.
 5. Place the camcorder case on a dry cloth to dry it.
 6. Do not dry the camcorder or case with hot air from a hair dryer or clothes dryer.
 7. After making sure that there are no water droplets on the camcorder case, open the case door and use a soft dry cloth to gently wipe off any water or sand remaining on the waterproof gasket or inside the case.
 - **If the cover is closed when the inside is wet, this could cause condensation or a malfunction.**

Cleaning After Using the Camcorder in Conditions Other than Underwater

Use a blower to remove any dust or lint that adheres to the lens, monitor or camcorder body. To remove fingerprints or other stains that cannot be removed with a blower, gently wipe the parts with a soft dry cloth. If you wipe with too much pressure or with a rough cloth, it may damage the camcorder or cause a malfunction.

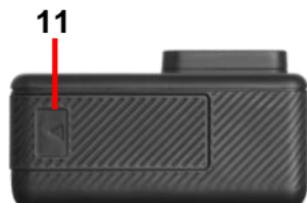
Storage

If you do not intend to use the camcorder for an extended period, remove the battery and avoid storing the camcorder 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).
- Place next to equipment that produces strong electromagnetic field, such as television or radios.

To prevent mold or mildew, take the camcorder out of storage at least once a month, and turn it on and release the shutter a few times before putting it away again.

1. Camcorder Overview



1. OK Record
2. Power Mode
3. Memory Card Slot
4. USB Port
5. HDMI Port
6. Lens
7. Front Display
8. Up WiFi
9. Down Switch Displays
10. Rear Display
11. Battery Door

1.2 Button and Functions Explanation

Button	Function	Description
1	OK Record	OK button in menus. Record button in shooting modes.
2	Power Mode	Press for 3 seconds to power on or off. Tap once to cycle between Video, Photo and Playback modes.
3	Memory Card Slot	Storage slot for inserting your MicroSD memory card.
4	USB Port	Power and data transfer port for charging and transferring media to your computer.
5	HDMI Port	Data transfer port for transferring media to your computer or for viewing media on your TV.
6	Lens	Front capture device for all video and photo.
7	Front Display	Shows the current view and menu, options and different statuses of each mode.
8	Up WiFi	Button used during menu navigation and playback use. Press and hold for 1 second to activate and deactivate WiFi.
9	Down Switch Displays	Button used during menu navigation and playback use. Tap in Video and Photo modes to switch the active display.
10	Rear Display	Shows the current view in Video and Photo modes.
11	Battery Door	Door used to access the battery.

1.3 Accessories Overview



1	Remote Control
2	Handle Bar / Pole Mount
3	Mount 1
4	Battery
5	Waterproof Case
6	Straps
7	Clip
8	Mount 2
9	AC Adaptor
10	USB Cable
11	Zip Ties
12	Mount 3
13	Mount 4
14	Memory Card
15	Cleaning Cloth

2. Operating Guide

2.1 Inserting / Removing a Memory Card

Ensure the camcorder is powered off. Insert a MicroSD card into the MicroSD card slot. The MicroSD card can only be inserted one way. Do not force it through. Once successfully inserted, it will click in. To remove, simply push the card in for it to pop out.



2.2 Inserting / Removing the Battery

- Open the battery door by sliding the door in the direction of the arrow then it will flip up.
- Insert the battery with the metal contacts facing in. If the battery does not insert fully, then it has been inserted incorrectly.
- Once the battery has been inserted, simply flip down the battery door and slide it in the opposite direction of the arrow until it is fully closed.
- To remove the battery, first power the camcorder off. Then open the battery door. The battery is easily removed by pulling on the black plastic pull tab.



2.3 Charging the Battery

- Connect the included USB cable's small end into the camcorder's USB input, and the larger end into the AC adaptor. The LED will illuminate in red and will automatically turn off once the battery is fully charged.
- You may use the camcorder for recording or playback while it is plugged into auxiliary power (AC adaptor, computer, mobile charger).
- For the quickest charge, please ensure that the camcorder is powered off.

2.4 Power On / Off

- Ensure that the battery is fully charged.
- Press and hold the **POWER** button for 3 seconds until the camcorder powers on. Press and hold the **POWER** button again for 3 seconds to power off.

2.5 Enabling / Disabling WiFi

- Enabling WiFi: Press and hold the **UP** button for 3 seconds. The LED light will flash in blue and the screen will display the WiFi details.

- b. Disabling WiFi: Once the WiFi is enabled, press and hold the **UP** button for 1 second. The blue LED light will no longer illuminate.

2.6 Changing Modes

The power button also functions as the **MODE** button. Once the camcorder is powered on, press the power button to cycle between Recording Videos / Shooting Photographs / Settings / Playback.

To change the video recording mode, while in video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select your desired mode and press the **OK** to enter that mode.

To change the photo capture mode, while in photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select your desired mode and press the **OK** to enter that mode.

2.7 LED Light Color Statuses

Blue LED on the LCD Screen: The camcorder is busy processing an image or video.

Red LED on the top of the camcorder: When flashing red, the camcorder is recording; when solidly lit, the camcorder is powered on and in standby mode.

Red LED on the LCD Screen: The battery is charging.

2.8 Recording Video

Once powered on, the camcorder automatically enters VIDEO mode. Press the **OK** button to begin recording. The top of the screen will show a red dot, denoting that video is recording. Press the **OK** button again to stop recording.

2.9 Shooting Photographs

Once powered on, press the **MODE** button to enter PHOTO mode. Press the **OK** button to capture a photo. The upper left corner of the screen will show that you are in PHOTO mode.

2.10 Playback on Camcorder

Once powered on, press the **MODE** button twice to cycle through the modes until you see the PLAYBACK mode option on the screen. Use the **UP** or **DOWN** buttons to select Playback mode, then press the **OK** button to enter Playback mode.

To enter Video or Photo playback press the **UP** or **DOWN** buttons to highlight the desired mode and then press the **MODE** button to enter that mode. While in Video or Photo playback, press the **UP** or **DOWN** buttons to cycle through your media and press the **OK**

button to enter the highlighted media. When you open a recorded video file, it will automatically start playing, press the **OK** button to pause a playing video.

To delete a video file, first make sure you are in Video playback, then use the **UP** or **DOWN** buttons to highlight the delete icon. Then press the **MODE** button to enter the delete video mode. Then use the **UP** or **DOWN** buttons to highlight the file you would like to delete, then press the **OK** button to select the file, multiple files can be selected at a time by repeating this process. After you selected the files you wish to delete, press the **MODE** button to open the delete menu. Use the **UP** or **DOWN** buttons to navigate the menu and press the **OK** button to confirm your setting.

Note: Any media deleted is permanent and cannot be undone.

2.11 Connecting to a Computer

- a. Connect your camcorder to a computer with the included USB cable. Power the camcorder on and the following options will be displayed.
 - a. **MSDC** – this mode allows you to access the stored media from on your computer.
 - b. **Web Camera** – this mode allows you to use the camcorder as a webcam.
 - c. **Working** – this mode allows you to use the camcorder normally while it charges.
 - d. **Charging** – this mode only charges the camcorder, when selected, the camcorder will power off.
- b. Press the **UP** or **DOWN** buttons to select your desired mode and press the **OK** button to enter that mode.

2.12 Front LCD Screen

The camcorder has a front LCD screen that can be used to take selfies or record yourself in videos. To activate the front LCD screen, simply press the **DOWN** button once, press the **DOWN** button again to turn off the front display and reactivate the rear display. Please note: only one LCD screen can be active at a time.

2.13 Using the Waterproof Case

To use the camcorder underwater or in wet environments, the waterproof case must be used. To open the waterproof case, lift up on the front edge of the black lock on the top of the case. Once the case has been unlocked, the rear door of the case will open so that the camcorder can be inserted or removed.



Once the camcorder has been placed into the waterproof case, close the rear door, then latch the edge of the lock onto the rear door and then push down on the front edge of the lock it into place. **Please note: To avoid injury, make sure your fingers are not in any of the openings or under the lock.**

The camcorder cannot be used in a wet environment or underwater without the waterproof case. If used in a wet environment or underwater without the waterproof case, the camcorder will be damaged and may cease to work.

2.14 Connecting to a Smartphone

STEP 1: Download the Smartphone App

To wirelessly operate the MNX5K1 camcorder you will need to install the "iSmart DV2" app on your Android or iOS device. Scan the QR Code below to download the app.



For Andriod Device



For IOS Device

STEP 2: Connecting Your Camcorder to Your Smartphone

The camcorder can be operated remotely by following the steps below:

1. Power the camcorder on and press and hold the **UP** button for 3 seconds to activate the Wi-Fi network. The Wi-Fi network name and password will be displayed on the screen.
2. To disable the camcorder's Wi-Fi network, press the **UP** button.
3. The status LED will blink BLUE while searching for a Wi-Fi connection.
4. Go in to your smartphone's Wi-Fi network settings menu, turn all wireless settings ON and connect to the network named "Minolta MNX5K1_XXXXXX" to join the network. The Wi-Fi password is 1234567890.
5. The status LED will show a steady BLUE color when connected and the camcorder screen will turn off.
6. On your smartphone, exit the wireless menu and open the "iSmart DV2" app to launch remote operation of the camcorder.

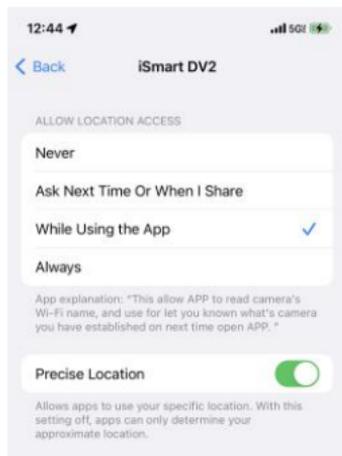
STEP 3: App Location Settings - iOS

Once connected successfully, launch the iSmart DV2 app. When launching the app for the first time, you will be prompted to allow the iSmart DV2 app to use your location.

Select "**Allow While Using App**" or "**Allow Always**". This will allow the app to communicate with your camcorder and will allow the app to work properly. The app will not connect to your camcorder if you select "**Don't Allow**".

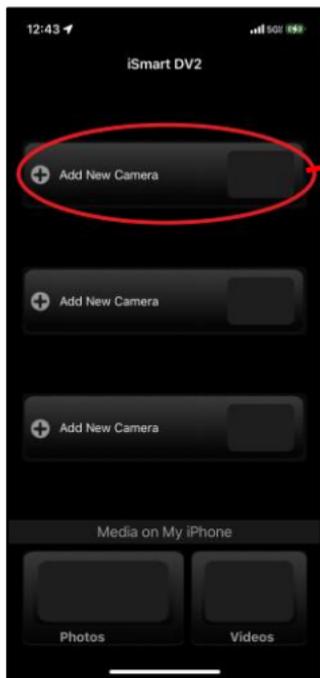
As part of the iOS operating system, your smartphone's Location Settings must be enabled in order to allow proper communication between your smartphone and your Minolta camcorder. Selecting will prevent your camcorder from connecting to the iSmart DV2 app.

If you selected "**Don't Allow**", then you can change this setting by going into your iOS Settings, selecting the **iSmart DV2** app, selecting the Location settings and select "**While Using App**".

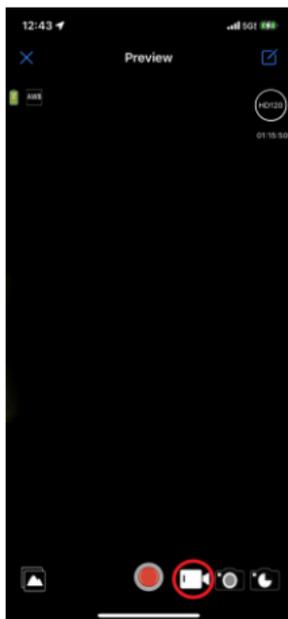


STEP 4: Operating the iSmart DV2 App

Your camcorder can now integrate with your smartphone. Upon launching the app, you will need to connect your camcorder. Tap the “Add New Camera” and then select “Wi-Fi Connect”, this will connect your camcorder to the app. It will initially default to the video recording function. Follow the steps below to select modes.



To change recording modes, tap each mode icon on the bottom right corner of the smartphone app.



VIDEO MODE



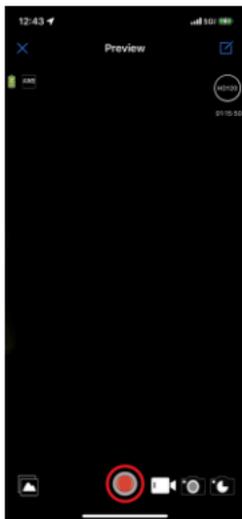
PHOTO MODE



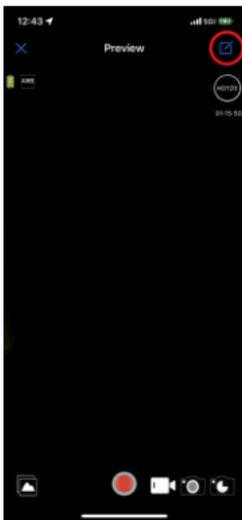
TIME LAPSE MODE

Recording Videos Remotely

1. To start recording a video, tap the Video icon on the smartphone's screen to enter video recording mode. Then tap the record button at the center of the bottom of the app. While a video is recording remotely, the status indicator LED will flash blue.



2. The Video Recording mode can be changed to Loop Recording, Slow Motion and Hyperlapse by entering the settings menu. Simply tap the icon in the top right corner of the smartphone's screen to enter the setting menu.
 - a. To enter Loop Recording mode, select the "Video File Length" setting.
 - b. To enter Slow Motion mode, select the "Slow Motion" setting.
 - c. To enter Hyperlapse mode, select the "Fast Motion Movie" setting.



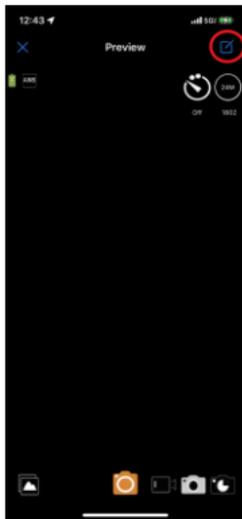
Shooting Photos Remotely

1. Switch to Photo mode by tapping the Camera icon on the bottom right corner of the smartphone's screen. To capture a photo, tap the Camera icon at the center of the bottom of your smartphone screen.



2. The Photo capture mode can be changed to Self-Timer and Burst Photo. Simply tap the icon in the top right corner of the smartphone's screen to enter the setting menu.

- a. To enter Self-Timer mode, select the "Set Self Timer" setting.
- b. To enter Burst Photo mode, select the "Continuous Shooting" setting.



Shooting Time Lapse Remotely

1. Switch to Time Lapse mode by tapping the Camera icon on the bottom right corner of the smartphone's screen.

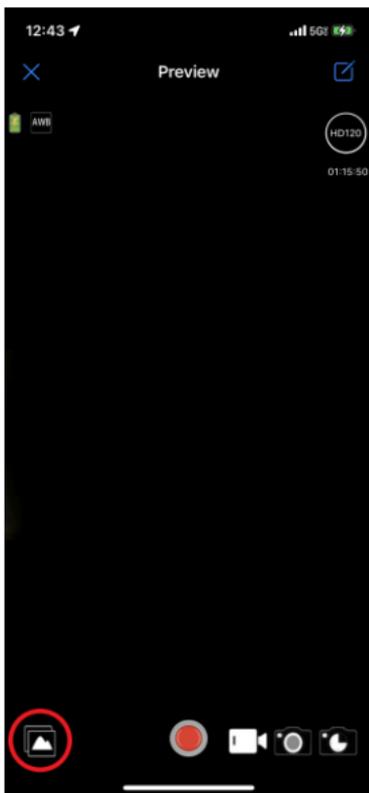


2. The Time Lapse mode can be changed to Video Time Lapse and Photo Time Lapse. Simply tap the icon in the top right corner of the smartphone's screen to enter the setting menu.
 - a. To enter Video Time Lapse mode, select the "Timelapse Type" setting and select "Video".
 - b. To enter Photo Time Lapse mode, select the "Timelapse Type" setting and select "Still".



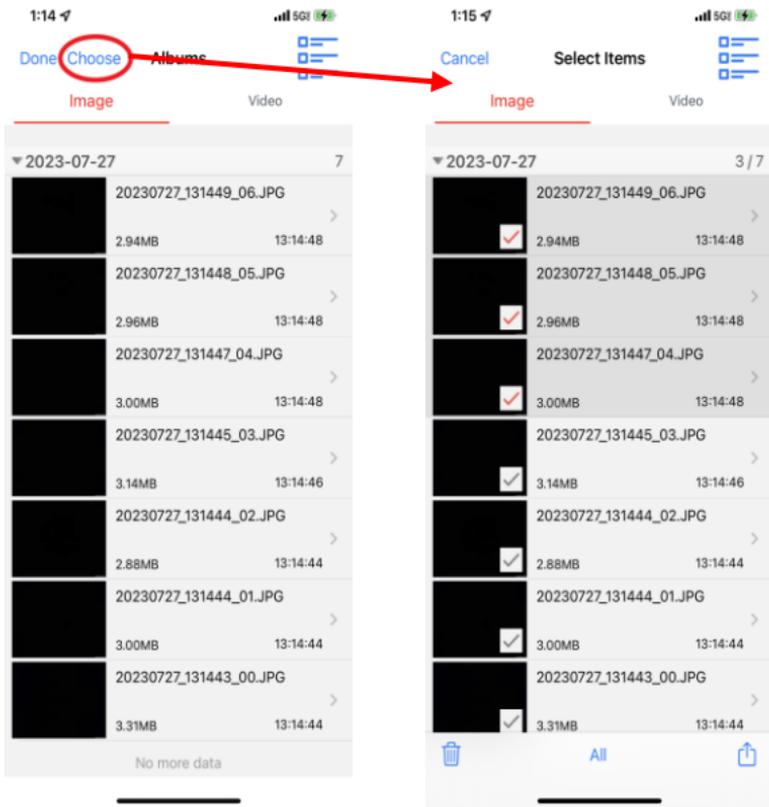
Viewing Media on the App

To view your photos and videos on the app, tap the Media icon at the bottom left corner of the smartphone's screen. Tap "Image" to view saved photos and tap "Video" to view saved videos. Tap the photo or video file you wish to view.



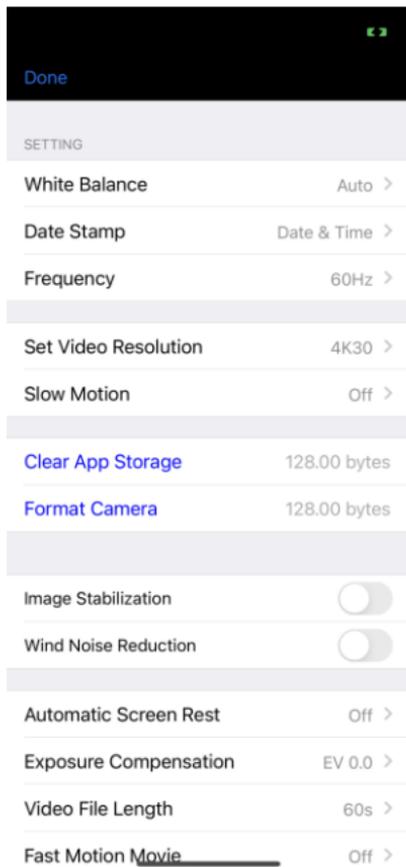
To download media to your smartphone or to delete media from the camcorder, tap “Choose” at the top left corner of the smartphone’s screen. Then select the images or videos, then select the trash icon to delete or the send icon to download. If a photo or video is deleted on the app, it will also be removed from the memory card in your camcorder.

Note: Any media deleted is permanent and cannot be undone.



Changing Camcorder Settings on the App

Settings can also be accessed through the app. Tap the Settings icon at the top right corner of the smartphone's screen to launch the Settings menu. The Video record settings can be accessed while in Video Record mode and the Photo settings can be accessed while in Photo mode.



3. MENU & SETTINGS INTERFACE

Overview

Your camcorder comes preset with some user-adjustable settings to fine tune and customize how you would like your camcorder to function. The settings are already optimized and preset for the easiest experience.

Before you begin, ensure you are in **SETTINGS** mode. From the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight the settings mode you want and press the **OK** button to access that settings mode.

3.1 Video Mode Settings

Overview

This mode allows you to record standard videos.

Before you begin, ensure you are in Normal Video mode. While in Video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select Normal, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup and press the **OK** button to access the video settings mode.

3.1.1 Video Resolution

Your camcorder has a number of preset resolution and frames per second rates. A higher resolution will produce a higher quality and larger video file.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Video Resolution*' and press the **OK** button to enter the '*Video Resolution*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *5K/30FPS*, *4K/60FPS*, *4K/30FPS*, *2.7K/60FPS*, *2.7K/30FPS*, *1080P/120FPS*, *1080P/60FPS*, *1080P/30FPS*, *720P/240FPS*, *720P/120FPS* *720P/60FPS*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.1.2 Record Audio

This function allows you to turn audio recording in video recording on and off.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Record Audio*' and press the **OK** button to enter the '*Record Audio*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.1.3 Exposure

This function adjusts the frame brightness in your video.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.1.4 Image Stabilization

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

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Image Stabilization*' and press the **OK** button to enter the '*Image Stabilization*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.1.5 Wind Noise Reduction

This function will allow the camcorder to minimize the noise from the wind while recording videos.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Wind Noise Reduction*' and press the **OK** button to enter the '*Wind Noise Reduction*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.1.6 Date 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 Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2 Loop Recording Mode Settings

Overview

This function allows you to set a maximum duration for each video clip recorded.

Before you begin, ensure you are in Loop Recording mode. While in Video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select Loop Recording, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup and press the **OK** button to access the video settings mode.

3.2.1 Video Resolution

Your camcorder has a number of preset resolution and frames per second rates. A higher resolution will produce a higher quality and larger video file.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Video Resolution' and press the **OK** button to enter the 'Video Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *5K/30FPS, 4K/60FPS, 4K/30FPS, 2.7K/60FPS, 2.7K/30FPS, 1080P/120FPS, 1080P/60FPS, 1080P/30FPS, 720P/240FPS, 720P/120FPS, 720P/60FPS.*
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.2 Record Audio

This function allows you to turn audio recording in video recording on and off.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Record Audio' and press the **OK** button to enter the 'Record Audio' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On.*
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.3 Exposure

This function adjusts the frame brightness in your video.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.4 Image Stabilization

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

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Image Stabilization*' and press the **OK** button to enter the '*Image Stabilization*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.5 Loop Duration

This setting allows you to set a maximum duration for each video clip recorded. Once you select an option, your camcorder will record video clips in this time interval only. Once your selected duration recording time is reached, the camcorder will end the recording and begin recording a new video file seamlessly.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Loop Duration*' and press the **OK** button to enter the '*Loop Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *1 Minute, 3 Minutes, 5 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.6 Wind Noise Reduction

This function will allow the camcorder to minimize the noise from the wind while recording videos.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Wind Noise Reduction*' and press the **OK** button to enter the '*Wind Noise Reduction*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.7 Auto Low Light

This function will adjust the camcorders settings to allow video recording in a low light scene. **This setting will only appear with certain video resolutions are selected.**

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Auto Low Light*' and press the **OK** button to enter the '*Auto Low Light*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.2.8 Date 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 Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.3 Video Time Lapse Mode Settings

Overview

This feature allows you to capture long sequences of events in a much shorter time period.

Before you begin, ensure you are in Video Time Lapse mode. While in Video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select Video Time Lapse, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup and press the **OK** button to access the video settings mode.

3.3.1 Video Resolution

Your camcorder has a number of preset resolution and frames per second rates. A higher resolution will produce a higher quality and larger video file.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Video Resolution' and press the **OK** button to enter the 'Video Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *5K/30FPS*, *4K/60FPS*, *4K/30FPS*, *2.7K/60FPS*, *2.7K/30FPS*, *1080P/120FPS*, *1080P/60FPS*, *1080P/30FPS*, *720P/240FPS*, *720P/120FPS*, *720P/60FPS*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.3.2 Exposure

This function adjusts the frame brightness in your video. **This setting will only appear with certain video resolutions are selected.**

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Exposure' and press the **OK** button to enter the 'Exposure' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0*, *-1.0*, *0.0*, *+1.0*, *+2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.3.3 Time Lapse Interval

This function allows you to set the amount of time in between images.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Interval*' and press the **OK** button to enter the '*Time Lapse Interval*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 3 Seconds, 5 Seconds, 10 Seconds, 30 Seconds, 1 Minute*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

NOTE: By selecting '10 Seconds' the camcorder will capture a photo every 10 seconds and create a time lapse video. To disable Time-Lapse recording, select 'Off' in this submenu.

3.3.4 Time Lapse Duration

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

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.3.5 Auto Low Light

This function will adjust the camcorders settings to allow video recording in a low light scene. **This setting will only appear with certain video resolutions are selected.**

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Auto Low Light*' and press the **OK** button to enter the '*Auto Low Light*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.

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

3.3.6 Date 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 Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off*, *Date*, *Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.4 Slow Motion Mode Settings

Overview

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

Before you begin, ensure you are in Slow Motion mode. While in Video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select Slow Motion, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup and press the **OK** button to access the video settings mode.

3.4.1 Video Resolution

Your camcorder has a number of preset resolution and frames per second rates. A higher resolution will produce a higher quality and larger video file.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Video Resolution' and press the **OK** button to enter the 'Video Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *4K/60FPS*, *2.7K/60FPS*, *1080P/120FPS*, *1080P/60FPS*, *720P/240FPS*, *720P/120FPS* *720P/60FPS*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.4.2 Exposure

This function adjusts the frame brightness in your video.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Exposure' and press the **OK** button to enter the 'Exposure' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0*, *-1.0*, *0.0*, *+1.0*, *+2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.4.3 Auto Low Light

This function will adjust the camcorders settings to allow video recording in a low light scene.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Auto Low Light*' and press the **OK** button to enter the '*Auto Low Light*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.4.4 Date 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 Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.5 Hyperlapse Mode Settings

Overview

Videos recorded in Hyperlapse are recorded at a much lower frames per second and when played back, the videos show movement at a much faster rate.

Before you begin, ensure you are in Hyperlapse mode. While in Video mode, press and hold the **OK** button to enter the video mode selection screen. Then use the **UP** or **DOWN** buttons to select Hyperlapse, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup and press the **OK** button to access the video settings mode.

3.5.1 Video Resolution

Your camcorder has a number of preset resolution and frames per second rates. A higher resolution will produce a higher quality and larger video file.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Video Resolution' and press the **OK** button to enter the 'Video Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *5K/30FPS*, *4K/60FPS*, *4K/30FPS*, *2.7K/60FPS*, *2.7K/30FPS*, *1080P/120FPS*, *1080P/60FPS*, *1080P/30FPS*, *720P/240FPS*, *720P/120FPS*, *720P/60FPS*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.5.2 Exposure

This function adjusts the frame brightness in your video.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Exposure' and press the **OK** button to enter the 'Exposure' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0*, *-1.0*, *0.0*, *+1.0*, *+2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.5.3 Hyperlapse Speed

This function lets you set the speed at which the video is recorded.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Hyperlapse Speed*' and press the **OK** button to enter the '*Hyperlapse Speed*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 2x, 4x, 6x, 10x, 15x*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.5.4 Auto Low Light

This function will adjust the camcorders settings to allow video recording in a low light scene.

1. In Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Auto Low Light*' and press the **OK** button to enter the '*Auto Low Light*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.5.5 Date 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 Video Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6 Photo Mode Settings

Overview

This mode allows you to capture standard images.

Before you begin, ensure you are in Single Photo mode. While in Photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select Single, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Photo Setup and press the **OK** button to access the photo settings mode.

3.6.1 Photo Resolution

Your camcorder has a number of preset photo resolution sizes. A higher resolution will produce a higher quality and larger file size photo.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Photo Resolution' and press the **OK** button to enter the 'Photo Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *24MP, 20MP, 16MP, 12MP, 10MP, 8MP*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.2 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'ISO' and press the **OK** button to enter the 'ISO' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, 100, 200, 400, 800, 1600, 3200*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.3 Exposure

This function adjusts the frame brightness in your video.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.4 Time Lapse Duration

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

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.5 Photo Burst

This function allows to you capture consecutive photos with one click of the OK button.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Burst*' and press the **OK** button to enter the '*Photo Burst*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Photos, 7 Photos, 15 Photos, 30 Photos*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.6 Long Exposure

This function sets the camcorder's shutter open for a selected period of time. The final image captures the trail of moving objects in front of the camcorder, while showing still elements clearly.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Long Exposure*' and press the **OK** button to enter the '*Long Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 2 Seconds, 5 Seconds, 8 Seconds, 30 Seconds, 60 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** 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 Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Metering*' and press the **OK** button to enter the '*Metering*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Center, Multi, Spot*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.6.8 Date 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7 Burst Photo Mode Settings

Overview

In burst photo mode, the camera will take a set number of images with each press of the **SHUTTER** button.

Before you begin, ensure you are in Burst Photo mode. While in Photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select Burst, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Photo Setup and press the **OK** button to access the photo settings mode.

3.7.1 Photo Resolution

Your camcorder has a number of preset photo resolution sizes. A higher resolution will produce a higher quality and larger file size photo.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Resolution*' and press the **OK** button to enter the '*Photo Resolution*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *24MP, 20MP, 16MP, 12MP, 10MP, 8MP*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.2 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*ISO*' and press the **OK** button to enter the '*ISO*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, 100, 200, 400, 800, 1600, 3200*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.3 Exposure

This function adjusts the frame brightness in your video.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.4 Time Lapse Duration

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

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.5 Photo Burst

This function allows to you capture consecutive photos with one click of the OK button.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Burst*' and press the **OK** button to enter the '*Photo Burst*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Photos, 7 Photos, 15 Photos, 30 Photos*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.6 Long Exposure

This function sets the camcorder's shutter open for a selected period of time. The final image captures the trail of moving objects in front of the camcorder, while showing still elements clearly.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Long Exposure*' and press the **OK** button to enter the '*Long Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 2 Seconds, 5 Seconds, 8 Seconds, 30 Seconds, 60 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.7 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 Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Metering*' and press the **OK** button to enter the '*Metering*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Center, Multi, Spot*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.7.8 Date 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8 Photo Time Lapse Mode Settings

Overview

In the interval photo mode, the camera will take a single photo at a set interval until stopped.

Before you begin, ensure you are in Burst Photo mode. While in Photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select Photo Time Lapse, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Photo Setup and press the **OK** button to access the photo settings mode.

3.8.1 Photo Resolution

Your camcorder has a number of preset photo resolution sizes. A higher resolution will produce a higher quality and larger file size photo.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Photo Resolution' and press the **OK** button to enter the 'Photo Resolution' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *24MP, 20MP, 16MP, 12MP, 10MP, 8MP*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.2 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'ISO' and press the **OK** button to enter the 'ISO' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, 100, 200, 400, 800, 1600, 3200*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.3 Exposure

This function adjusts the frame brightness in your video.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.4 Time Lapse Interval

This function allows you to set the amount of time in between images.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the video camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Interval*' and press the **OK** button to enter the '*Time Lapse Interval*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Seconds, 5 Seconds, 10 Seconds, 30 Seconds, 1 Minute*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

NOTE: By selecting '10 Seconds' the camcorder will capture a photo every 10 seconds. To disable Photo Time Lapse, select 'Off' in this submenu.

3.8.5 Time Lapse Duration

This function allows you to set the length of time the camcorder will continue take capture images for.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.6 Photo Burst

This function allows you to capture consecutive photos with one click of the OK button.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Burst*' and press the **OK** button to enter the '*Photo Burst*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Photos, 7 Photos, 15 Photos, 30 Photos*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.7 Long Exposure

This function sets the camcorder's shutter open for a selected period of time. The final image captures the trail of moving objects in front of the camcorder, while showing still elements clearly.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Long Exposure*' and press the **OK** button to enter the '*Long Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 2 Seconds, 5 Seconds, 8 Seconds, 30 Seconds, 60 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.8.8 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Metering*' and press the **OK** button to enter the '*Metering*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Center, Multi, Spot*.
4. Press the **OK** button to confirm your selected setting.

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

3.8.9 Date 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off*, *Date*, *Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9 Self-Timer Mode Settings

Overview

In Self Timer mode, the camera will take a single picture after a set amount of time has elapsed with each press of the SHUTTER button.

Before you begin, ensure you are in Burst Photo mode. While in Photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select Self-Timer, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Photo Setup and press the **OK** button to access the photo settings mode.

3.9.1 Photo Resolution

Your camcorder has a number of preset photo resolution sizes. A higher resolution will produce a higher quality and larger file size photo.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Resolution*' and press the **OK** button to enter the '*Photo Resolution*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *24MP, 20MP, 16MP, 12MP, 10MP, 8MP*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.2 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*ISO*' and press the **OK** button to enter the '*ISO*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, 100, 200, 400, 800, 1600, 3200*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.3 Exposure

This function adjusts the frame brightness in your video.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.4 Time Lapse Duration

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

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.5 Photo Burst

This function allows to you capture consecutive photos with one click of the OK button.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Burst*' and press the **OK** button to enter the '*Photo Burst*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Photos, 7 Photos, 15 Photos, 30 Photos*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.6 Self-Timer

This function determines the time delay before a photograph is captured. This setting can be used by photographers to take photographs of themselves.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Self-Timer*' and press the **OK** button to enter the '*Self-Timer*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 2 Seconds, 5 Seconds, 10 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.7 Long Exposure

This function sets the camcorder's shutter open for a selected period of time. The final image captures the trail of moving objects in front of the camcorder, while showing still elements clearly.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Long Exposure*' and press the **OK** button to enter the '*Long Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 2 Seconds, 5 Seconds, 8 Seconds, 30 Seconds, 60 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.8 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Metering*' and press the **OK** button to enter the '*Metering*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Center, Multi, Spot*.

4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.9.9 Date 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10 Long Exposure Mode Settings

Overview

This mode allows you to capture images where the camera's shutter is left open. The resulting image captures the trail of moving objects in front of the camera, while showing still elements razor sharp.

Before you begin, ensure you are in Burst Photo mode. While in Photo mode, press and hold the **OK** button to enter the photo mode selection screen. Then use the **UP** or **DOWN** buttons to select Self-Timer, then press the **OK** button to enter that mode. Then, from the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Photo Setup and press the **OK** button to access the photo settings mode.

3.10.1 Photo Resolution

Your camcorder has a number of preset photo resolution sizes. A higher resolution will produce a higher quality and larger file size photo.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Resolution*' and press the **OK** button to enter the '*Photo Resolution*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *24MP, 20MP, 16MP, 12MP, 10MP, 8MP*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.2 ISO

This function adjusts the light sensitivity in your photograph.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*ISO*' and press the **OK** button to enter the '*ISO*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, 100, 200, 400, 800, 1600, 3200*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.3 Exposure

This function adjusts the frame brightness in your video.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Exposure*' and press the **OK** button to enter the '*Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *-2.0, -1.0, 0.0, +1.0, +2.0*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.4 Time Lapse Duration

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

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Time Lapse Duration*' and press the **OK** button to enter the '*Time Lapse Duration*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Unlimited, 5 Minutes, 10 Minutes, 15 Minutes, 20 Minutes, 30 Minutes, 60 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.5 Photo Burst

This function allows to you capture consecutive photos with one click of the OK button.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Photo Burst*' and press the **OK** button to enter the '*Photo Burst*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 3 Photos, 7 Photos, 15 Photos, 30 Photos*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.6 Long Exposure

This function sets the camcorder's shutter open for a selected period of time. The final image captures the trail of moving objects in front of the camcorder, while showing still elements clearly.

1. In Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Long Exposure*' and press the **OK** button to enter the '*Long Exposure*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Second, 2 Seconds, 5 Seconds, 8 Seconds, 30 Seconds, 60 Seconds*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.7 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 Photo Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Metering*' and press the **OK** button to enter the '*Metering*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Center, Multi, Spot*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.10.8 Date 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 Setup mode, use the **UP** or **DOWN** buttons to highlight the camera icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date Stamp*' and press the **OK** button to enter the '*Date Stamp*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, Date, Date&Time*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11 General Settings

Overview

Your camcorder comes preset with some user-adjustable settings to fine tune and customize your camcorder. The settings are already optimized and preset for the easiest experience.

Before you begin, ensure you are in System Settings mode. From the main screen, press the **MODE** button until you see three icons on the screen. Use the **UP** or **DOWN** buttons to highlight Video Setup or Photo Setup and press the **OK** button to access the settings mode.

3.11.1 Power Frequency

This setting allows you to set the power frequency of your camcorder. This setting is dependent on the region that the camcorder is being used in.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Power Frequency*' and press the **OK** button to enter the '*Power Frequency*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *50Hz*, *60Hz*. The default frequency for the United States is *60Hz*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.2 Sounds

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

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Sounds*' and press the **OK** button to enter the '*Sounds*' submenu.
3. There are three different sounds that can be set on the camcorder: **Shutter**, **Power On** and **Button**. Press the **UP** or **DOWN** buttons to navigate the submenu and select a sound you want to set. Then press the **OK** button to turn the sound on and off.
4. The sound volume for all sounds on the camcorder can also be set from this menu. Use the **UP** or **DOWN** buttons to select '*Volume*' and press the **OK** button to enter the '*Volume*' submenu.
5. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *0*, *1*, *2*, *3*. By selecting '*0*' all sounds on the camcorder will be muted.
6. Press the **OK** button to confirm your selected setting.

7. Press the **MODE** button to exit the settings menu without making a selection.

3.11.3 Field of View

This function lets you set the field of view that the camcorder captures.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Field of View*' and press the **OK** button to enter the '*Field of View*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Wide, Medium, Narrow*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.4 Remote Control

This option allows the camcorder to work with a remote control.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Remote Control*' and press the **OK** button to enter the '*Remote Control*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.5 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 Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*White Balance*' and press the **OK** button to enter the '*White Balance*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Auto, Sunny, Cloudy, Daylight, Tungsten, Florescent*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.6 Color Effect

This function sets the color filter effect of a photograph.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Color Effect*' and press the **OK** button to enter the '*Color Effect*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Normal, Black & White, Natural, Negative, Warm, Brightness Contrast*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.7 Distortion Correction

This function enables the camcorder to correct slight image distortions by straightening the image.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Distortion Correction*' and press the **OK** button to enter the '*Distortion Correction*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.8 Underwater Mode

This function enables the camcorder to correct slight image distortions when recording underwater.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Underwater Mode*' and press the **OK** button to enter the '*Underwater Mode*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.9 Date & Time Setup

This setting allows you to set a date and time for display on videos and photos.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Date & Time Setup*' and press the **OK** button to enter the '*Date & Time Setup*' submenu.
3. Press the **UP** or **DOWN** buttons to change the highlighted value.
4. When you are satisfied with the highlighted value, press the **OK** button to confirm that value and proceed to the next value.
5. Once all values are set, press the **MODE** button once to save your setting and exit.

3.11.10 Rotate Image

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

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Rotate Image*' and press the **OK** button to enter the '*Rotate Image*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.11 Screen Saver

This setting allows you to set the length of time before the LCD Screen turns off automatically.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Screen Saver*' and press the **OK** button to enter the '*Screen Saver*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 Minute, 3 Minutes, 5 Minutes*.
4. Press the **OK** button to confirm your selected setting.
5. After the selected amount of time without input, the screen will power off. To wake the screen back on, press any button.
6. Press the **MODE** button to exit the settings menu without making a selection.

3.11.12 Auto Power Off

This setting allows you to set the length of time before the camcorder powers off automatically.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Auto Power Off' and press the **OK** button to enter the 'Auto Power Off' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, 1 minute, 3 minutes, 5 minutes*.
4. Press the **OK** button to confirm your selected setting.
5. After the selected amount of time with input, the camcorder will power off. Press and hold the **POWER** button for 3 seconds to power the camcorder back on.
6. Press the **MODE** button to exit the settings menu without making a selection.

3.11.13 Driving Mode

This feature will allow you to record video when the memory card is full, the new recording will overwrite the earliest recording. **The earliest recording will be deleted and cannot be undone.**

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Driving Mode' and press the **OK** button to enter the 'Driving Mode' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting. You can select from *Off, On*.
4. Press the **OK** button to confirm your selected setting.
5. Press the **MODE** button to exit the settings menu without making a selection.

Note: when Driving Mode is activated, the camcorder will automatically start recording when powered on.

3.11.14 Language

This setting allows you to set the language for your camcorder's menus.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select 'Language' and press the **OK** button to enter the 'Language' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a language.
4. Press the **OK** button to confirm your selected language.

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

3.11.15 Format Memory Card

This setting allows you to erase all video and photo files stored on your memory card.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*Format Memory Card*' and press the **OK** button to enter the '*Format Memory Card*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting.
4. Press the **OK** button to confirm your selected setting. You can select from *Yes*, *No*.
5. Press the **MODE** button to exit the settings menu without making a selection.

NOTE: Use extreme caution when accessing this setting. There is no way to recover formatted media. Once you format your memory card, all recorded media will be DELETED permanently and cannot be recovered.

3.11.16 System

This setting allows you access the memory card settings and firmware version of the camcorder.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*System*' and press the **OK** button to enter the '*System*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting.
4. Press the **OK** button to confirm your selected setting. You can select from *Restore Default*, *System Info*, *Card Info*. For information on each of these options, see the sections below.
5. Press the **MODE** button to exit the settings menu without making a selection.

3.11.16.1 Restore Default

This setting allows you to reset all menu settings to the factory default settings. This function will not delete any media stored on your memory card.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*System*' and press the **OK** button to enter the '*System*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select '*Restore Default*' and press the **OK** button to enter the '*Restore Default*' submenu.
4. Press the **UP** or **DOWN** buttons to navigate the submenu and select a setting.

5. Press the **OK** button to confirm your selected setting. You can select from *Yes*, *No*.
6. Press the **MODE** button to exit the settings menu without making a selection.

3.11.16.2 System Info (Firmware Version)

This setting displays the current firmware version of your camcorder.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*System*' and press the **OK** button to enter the '*System*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select '*System Info*'.
4. Press the **OK** button to display the current firmware version on the screen.
5. Press the **OK** button to exit the system info screen.

3.11.16.3 Card Info

This setting displays the storage capacity and available capacity of the loaded memory card.

1. In Video Setup or Photo Setup modes, use the **UP** or **DOWN** buttons to highlight the gear icon, then press the **OK** button to enter the settings mode.
2. Use the **UP** or **DOWN** buttons to select '*System*' and press the **OK** button to enter the '*System*' submenu.
3. Press the **UP** or **DOWN** buttons to navigate the submenu and select '*Card Info*'.
4. Press the **OK** button to display the memory card information on the screen.
5. Press the **OK** button to exit the system info screen.

4. Technical Specifications

Model Number	MNX5K1
LCD Display Screen	Front: 1.3" IPS LCD Rear: 2.0" IPS LCD
Sensor Resolution	8.0 Mega Pixels CMOS
Anti-Shake Technology	Electronic Image Stabilization
Field of View	Ultra-Wide Angle; 170 Degrees
Video Resolution	5K/30FPS • 4K/60FPS • 4K/30FPS • 2.7K/60FPS • 2.7K/30FPS • 1080P/120FPS • 1080P/60FPS • 1080P/30FPS • 720P/240FPS • 720P/120FPS • 720P/60FPS
Photo Resolutions	24MP • 20MP • 16MP • 12MP • 10MP • 8MP
File Format	Picture: JPEG Video: MOV
Wi-Fi with App Integration	802.11 b/g/n
Time & Date Stamp	Support
External Storage	MicroSD, MicroSDHC, MicroSDXC Card (128GB max.) – Class 10 Recommended
Languages	English, Chinese, French, German, Dutch, Italian, Spanish, Portuguese, Polish, Russian, Japanese, Korean, Thai
Ports	MicroUSB • Mini HDMI • SDXC Card Slot
Microphone and Speaker	Built-in
Battery (Camera)	1x S009; Lithium-Ion 3.7v; 900mAh
Light Frequency	Auto / 50Hz / 60Hz
Dimensions	2.3 x 1.6 x 1.1 inches ; 1.6 ounces
Operating Temperature	14 Degrees – 131 Degrees F
Storage Temperature	-4 Degrees – 150 Degrees F
Waterproof Case Depth	100 feet / 30 meters
Remote Control Distance	33 feet / 10 meters
Battery (Remote Control)	1x CR2032; 3.0V; 210mAh



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