

VIVITAR®

4K ULTRA HD


18X
DIGITAL ZOOM


56
MEGA PIXEL


13MP
SENSOR


3" LCD
DISPLAY



DVR48K

4K CAMCORDER

INSTRUCTION MANUAL

Important Safety Precautions

When using your Vivitar 4K Waterproof Camcorder, basic safety precautions should always be followed, including the following:

1. READ ALL INSTRUCTIONS BEFORE USING YOUR CAMCORDER.
2. Shut down immediate and remove the battery if it is exposed to water or short circuiting.
3. Do not allow children or the infirm to play with your camcorder without adult supervision.
4. Do not expose your camcorder to excessive heat, flames or fire.
5. Always press all buttons or switches carefully. Do not manhandle your camcorder.
6. Do not use in extremely dry environments, as this can lead to static discharge during usage.
7. Do not expose your camcorder to temperatures above 50°C.
8. Do not attempt to repair this product yourself. Contact a qualified service center if your dash cam is in need of service.
9. Do not drop, puncture or expose your camcorder to excessive trauma.
10. Your camcorder is not intended for commercial use.
11. Do not place near objects that generate a strong magnetic field.
12. Unplug this device when not in use for long periods of time or during lightning storms.
13. Only use the supplied battery. Do not use if the battery has expanded or leaked. If the battery or any parts have been swallowed, seek medical attention immediately.
14. Do not operate your camcorder while you are driving an automobile.
15. Store in a cool, dry environment when not in use.
16. Before use, make sure that the battery has been fully charged and that a suitable memory card inserted.



CAUTION

BATTERY WARNING:

- Do not dispose of in fire or expose to excessive heat.
- Do not crush, puncture, incinerate, or short circuit external contacts.
- Please recycle or dispose of the battery properly. Contact your local recycling facilities and/or the manufacturer for further information.

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Introduction

Thank you for purchasing your Vivitar 4K Waterproof Camcorder, item DVR48K. You can use your camcorder to capture high quality videos and photos. In order to get the best results when using this device, please read this manual first before using.

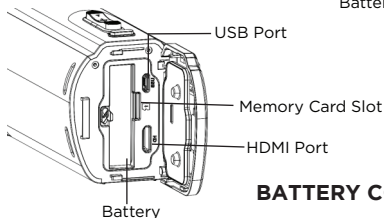
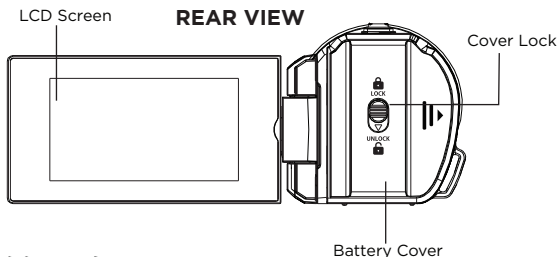
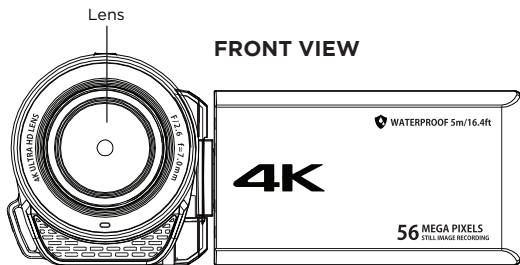
Features

- 3" Touch Screen, 270° Rotatable Display
- Waterproof Rating Up to IPX8
- Real 4K Ultra HD Video Recording
- Max. 56 Megapixel Photo Resolution
- 18X Super Digital Zoom
- HDMI Output
- Rechargeable Lithium Battery

Package Contents

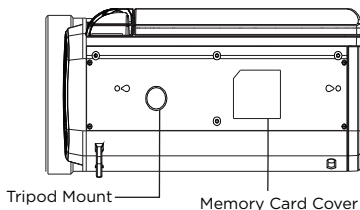
- Waterproof Camcorder
- Micro USB Charging Cable
- Camera Bag
- HDMI Cable
- Rechargeable Lithium Battery
- Instruction Manual with Warranty Information

A Quick Look at Your Camcorder

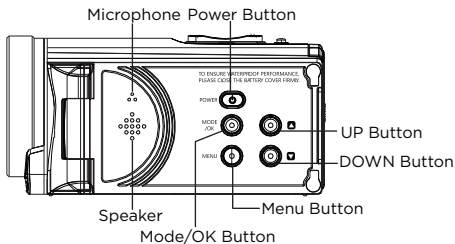


A Quick Look at Your Camcorder (cont.)

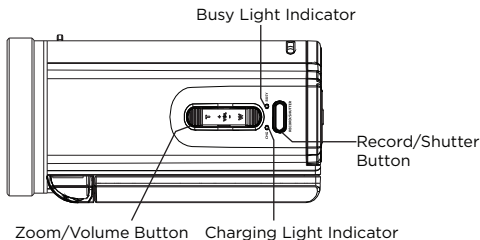
BOTTOM VIEW



SIDE VIEW



TOP VIEW



Button Functions

POWER



Power Button

- Press to power on the camcorder.
- Press and hold to power off the camcorder.

MODE
/OK



Mode Button

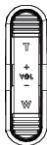
- Press to switch between camera modes.

MENU



Menu Button

- Press to pull up settings menu.
- Press to exit menu or return to previous menu.



Zoom/Volume Button

- Zoom in or out in (wide/telephoto) in photo/video mode.
- Adjust volume during video playback.
- Toggle through menus.



UP & DOWN Buttons



- Press the UP & DOWN Buttons to toggle through selections on the display screen.



Record/Shutter Button

- In video mode, press to start and stop recording.
- In photo mode, press to take a picture.

Inserting a Memory Card

Before powering on your camcorder, insert a Micro SD memory card into the memory card slot. A Micro SD memory card is required in order to store recorded photos and videos. To ensure smooth performance, it is recommended to use a memory card rated class 10 or above, with a capacity between 16-128GB.

■ To insert a Micro SD card

1. Close the monitor to turn off device
2. Open the battery cover



3. Insert a Micro SD card into the memory card slot.

■ To remove the Micro SD card

Push the Micro SD card inward once, then pull it out.

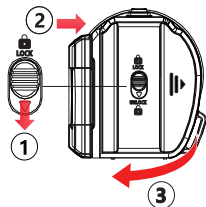
NOTE:

1. If a "Card is Full" error message appears on your display screen, you can either delete files or use another card in order to take more photos or videos.
2. You may need to format a memory card for the camcorder to recognize it properly. Be sure to backup any files stored on a memory card before formatting, as the formatting process will delete all files stored on the card.

Opening and Closing the Battery Cover

To Open the Battery Cover

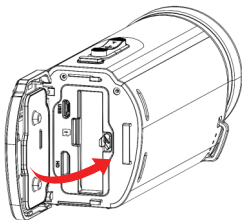
1. Slide the cover lock downward and hold.
2. While holding the cover lock down, push the battery cover to the right.
3. Lift the cover slowly.



To Close the Battery Cover

1. Flip down the battery cover.
2. Press the cover down while sliding it to the left until it clicks into place. Make sure the waterproof seal fits around the edge of the cover.

NOTE: The cover lock automatically goes to LOCK position when battery cover is properly closed. If the security lock is on UNLOCK position, the cover is not properly closed.



CAUTION

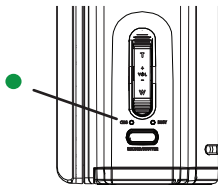
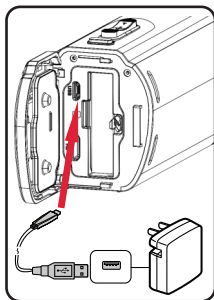
Do not let water or debris get inside the battery cover, doing so will result in damage to battery and waterproof seal. Damages or scratches to the waterproof seal and battery cover will compromise waterproofing ability and result in leaks.

Charging the Battery

A rechargeable battery is included with your camcorder.

Open the battery cover and insert battery into the battery slot. The battery should slide securely in place.

Plug the Micro USB Charging Cable into the USB port. Then attach the other end of the cable to a computer or an AV adapter. Plug the AV adapter to an electric outlet.



The charging light indicator will emit a green light while device is charging.

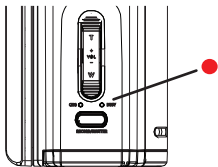
Powering On & Off

Powering On

To power on your camcorder, press the Power button.

Powering Off

Press and hold the Power button to power off your camcorder.



When Powering on, the BUSY light indicator will emit a red light.

NOTES:

1. Your camcorder will also power on or power off by opening or closing the screen.
2. When not used for an extended period, your camcorder will automatically power off in order to save power.

Switching Modes

Selecting a Mode

To switch between video, photo, and playback mode, press the Mode/OK button while the camcorder screen is on capture.

Each mode will be indicated by their unique screen displays.

Video Mode/Recording Videos

After powering on your camcorder, press the Mode/OK button on the side of your camcorder to switch between modes. Video mode will be indicated by the features on the display screen.

Recording a Video

To record a video, press the Shutter button on your camcorder to start recording a video. Press the Shutter button again to end your video recording.

Default Video Recording Display Screen

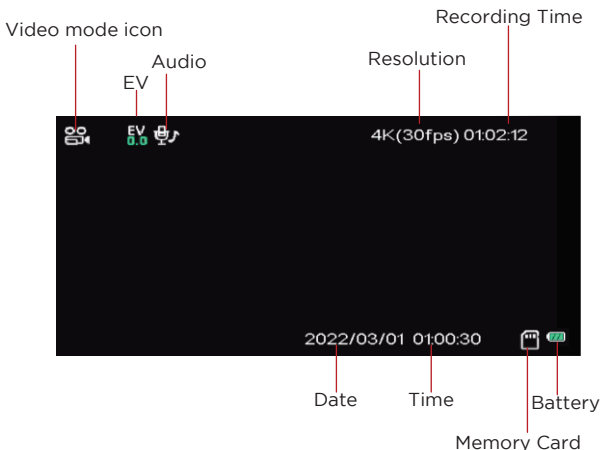


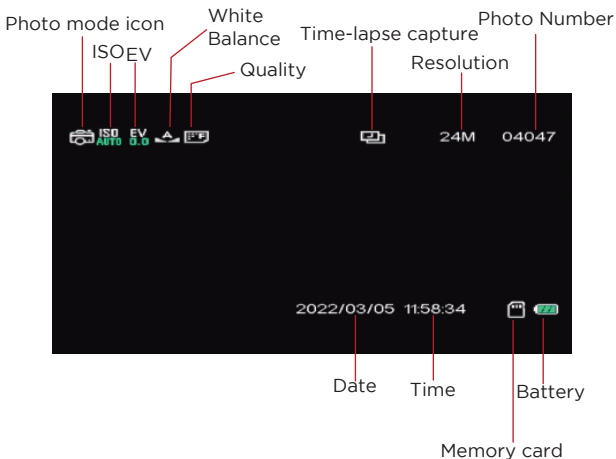
Photo Mode/Taking Photos

After powering on your camcorder, press the Mode/OK button on the side of your camcorder to switch between modes. Photo mode will be indicated by the features on the display screen.

Taking a Picture

To take a picture, press the Shutter button to focus and press down all the way to take the picture.

Default Photo Display Screen



Playback Mode and Deleting Files

To enter playback mode, press the Mode/OK button until you see playback mode display screen.

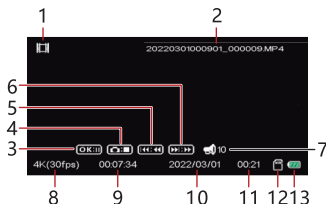
Once in playback mode, use the Up & Down buttons to toggle through videos or photos. Press the Shutter button on your camcorder to play or pause videos. Use the Zoom/Volume button to adjust volume.

Deleting Files

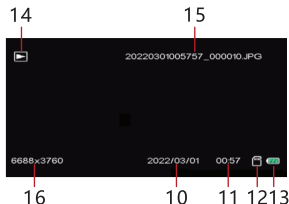
Select unwanted files and press Menu button to open menu. Use Mode/OK button to Select [DELETE] then select [DELETE THIS FILE] then select [YES/NO]

Playback Mode Display Screen

Photo Display Screen



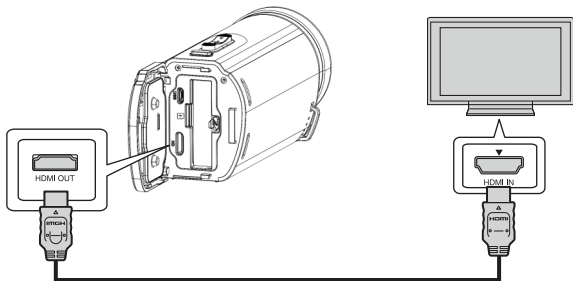
Video Display Screen



1. Video file	7. Video Volume	13. Battery level
2. Video file name	8. Video resolution	14. Photo file
3. Stop	9. Current time display	15. Photo file name
4. Pause	10. Date of recording	16. Photo resolution
5. Fast rewind	11. Time of recording	
6. Fast forward	12. Memory card	

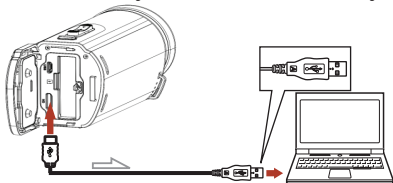
Playback on a TV

1. Connect one of the included HDMI cable to the HDMI port on your camcorder.
2. Connect the other end to the HDMI In port on your television.
3. Set the TV input to HDMI in.
4. Playback images on the camcorder.

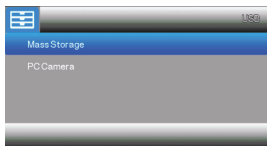


Connecting to a Computer

1. Connect one end of the included USB-C cable into the USB port on your camcorder.
2. Connect the other end to an available USB port on your computer. Once connected your camcorder's battery can be charged or you can transfer files from your camcorder's memory card to your computer.



3. Flip the camcorder screen open. Once connected to the computer, the screen display will look like this:



4. To transfer files, select Mass Storage. The computer will display the camcorder's memory card disk and will transfer the files to the memory card.
5. Your camcorder will now act similarly to a thumb drive or other mass storage device. In Windows computers, a removable disk drive will mount in your My Computer or My PC window. You can click on this drive to access your photos. On computers running Mac OS an extra drive will mount on your desktop.

Formatting Micro SD Memory Card

You may need to format the memory card for the camcorder to be able to recognize it properly. The Micro SD card file system should be formatted to FAT/exFAT.

To format the memory card, press the Menu button twice (or press Menu button once and use the Zoom/Volume button) to open the Setup menu.

In the Setup menu, press the Up & Down buttons to move selection to Format, then press Mode/OK to choose [Format]. Repeat to choose [OK].



NOTE:

Formatting the memory card will erase all of the data stored on it. The data will be irrecoverable.

Make sure to save your important data on a PC before formatting.

Accessing Menus

Each mode has a corresponding menu that is accessed with the Menu button. To change photo or video settings, the corresponding mode must be running. To access photo settings, photo mode must be on. To access video settings, video mode must be on.

The two menu categories are labeled as Photo/Video and Setup.



Press the Zoom/Volume button to shift between camera/video and setup menus.



Use the Up & Down buttons to move through the selections. Press Mode/OK to select an option.

Press the Menu button to go to Setup menu, or press again to exit menu.

Setting Menu (For Photo Mode)

The following photo settings can be changed when in photo mode.



Picture Settings

Photo Size

56 Mega Pixels
48 Mega Pixels
30 Mega Pixels
24 Mega Pixels
20 Mega Pixels
16 Mega Pixels
12 Mega Pixels
8 Mega Pixels
5 Mega Pixels

Time-Lapse Capture

Turn ON/OFF

Self-Timer

Off
2S Timer
5S Timer
10S Timer

Color Filter

Color Filter
Black & White
Sepia

Photo Burst

Off
3 Photos Per Shot

Quality

Fine
Normal
Economy

Sharpness

Strong
Normal
Soft

White Balance

Auto
Daylight
Cloudy
Tungsten
Fluorescent

Sensitivity (ISO)

AUTO
100
200
400
800
1600

Exposure Setting

+3.0, +2.0, +2.0, +0.0
-1.0, -2.0, -3.0

Metering Mode

Average
Center-Weighted
Spot

Setting Menu (For Video Mode)

The following video settings can be changed when in video mode.



Video Settings

Movie Size (Recording Resolution)

4k (30fps)
2.7K (30fps)
1080P (60fps, 30fps)
720P (60fps, 30fps)

Loop Recording

Off
1 Minute
3 Minutes
5 Minutes
10 Minutes

Color Filter

Color Filter
Black & White
Sepia

White Balance

Auto
Daylight
Cloudy
Tungsten
Fluorescent

Exposure Setting

+3.0, +2.0, +2.0, +0.0
-1.0, -2.0, -3.0

Motion Detection

Turn On/Off

Record Audio

Turn On/Off

Time-Lapse

Off
100 mS
200 mS
Interval of 1 second
Interval of 5 seconds
Interval of 10 seconds
Interval of 30 seconds
Interval of 1 Minutes
Interval of 5 Minutes

Setting Menu (For Playback Mode)

The following photo settings can be changed when in playback mode.



Playback Settings

Delete

Delete Current

Delete All

Protect

Lock Current

Unlock Current

Lock All

Unlock All

Slide Show

2 S, 5 S, 8 S

Setup Menu (Camcorder Settings)

Date and Time

YYYY-MM-DD,
hour, minute, second

Auto Power Off

Off, 1 Minute, 2 Minutes, 3 minutes, 5 minutes, 10 minutes

Screen Save

Off, 5 Minutes, 10 Minutes

Beep Set (beeping volume)

Turn Off/On

Language

English, Français, Español, Português, Deutsch, Italiano,
简体中文 繁體中文 Русский 日本語
(languages may vary)

Power Frequency

50 Hz, 60 Hz

Format (SD Card)

"All data will be deleted"
Cancel, OK

Default Settings

"Return menu settings to default"
Cancel, OK

Version Information

version: xxxxxxxxxxxx

Specifications

Image Sensor	Sony CMOS
Memory	Micro SD/SDHC Card Slot up to 128gb
ISO	Auto, 100, 200, 400, 800, 1600
Lens	Fixed lens F/2.4, f=7.0mm
Focal Distance	0.5 M ~ infinite
Photo	Format: JPEG Resolution
Video	Format: MP4 4K, 2.7K, 1080P, 720P
Dustproof Rating	IP6X
Waterproof Rating	IPX8 and IPX6 (1 hour at depths up to 15ft)
Zoom	18x digital zoom
EV	-3.0EV~ +3.0EV
Capture Mode	off/2s timer/5s timer/10s timer
PC Interface	USB 2.0 (high speed)
LCD Screen	3.0" IPS HD Screen
Speaker	Built In, compatible with external mic input
HDMI Output	Yes
Battery	P16 Li-polymer 3400mAh
Adapter	USB Output DC 5V/1.5A

FCC Compliance Statement

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.

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.

Vivitar One Year Warranty

This warranty covers the original consumer purchaser only and is not transferable.

This warranty covers products that fail to function properly UNDER NORMAL USAGE, due to defects in material or workmanship. Your product will be repaired or replaced at no charge for parts or labor for a period of one year.

What Is Not Covered by Warranty

Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but limited to, repair by unauthorized parties, tampering, modification or accident.

To Obtain Warranty Service and Troubleshooting Information:

Call 1-800-592-9541 or visit our website at www.vivitar.com.

To receive Warranty service along with the name and address of an authorized product service center, the original consumer purchaser must contact us for problem determination and service procedures. Proof of purchase in the form of a bill of sale or receipted invoice, evidencing that the product is within the applicable Warranty period(s), MUST be presented in order to obtain the requested service. It is your responsibility to properly package and send any defective products along with a dated copy of proof of purchase, a written explanation of the problem, and a valid return address to the authorized service center at your expense. Do not include any other items or accessories with the defective product. Any products received by the authorized service center that are not covered by warranty will be returned unrepai red.

Vivitar One Year Warranty (continued)

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