

AKASO

V50 ELITE

ACTION CAMERA



USER MANUAL

V50M_V1.2

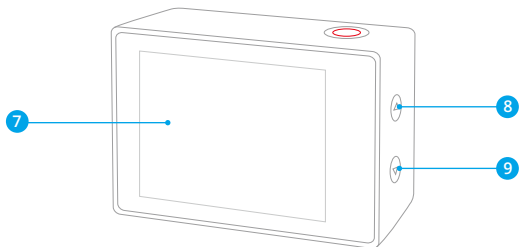
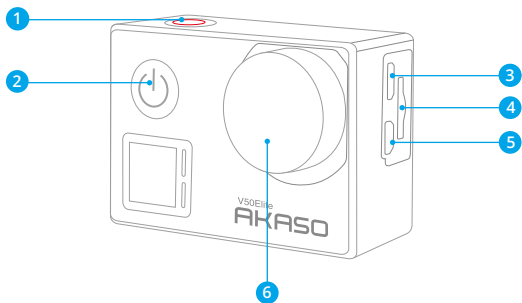
CONTENTS

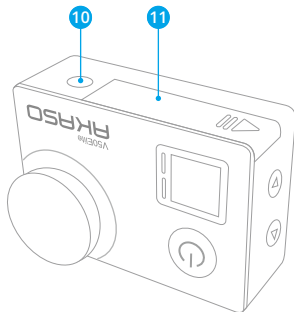
What's in the Box	1
Your V50 Elite	2
Getting Started	4
Overview of Modes	5
Customizing Your V50 Elite	9
Connecting Your V50 Elite with Remote	16
Controlling Your V50 Elite with Your Voice	17
Connecting to the AKASO GO App	18
Playing Back Your Content	19
Deleting Videos and Photos on Your V50 Elite	20
Transferring Your Data	21
Transferring Your Data to a Smartphone or Tablet	21
Adjusting the Zoom Level	21
Reformatting Your MicroSD Card	22
Maintaining Your Camera	22
Maximizing Battery Life	22
Battery Storage and Handling	23
Remote	24
Mounting Your Camera	25
Contact Us	26

WHAT'S IN THE BOX

			
V50 Elite	Waterproof Housing	Handlebar/ Pole Mount	Mount 1
			
Mount 2	Mount 3	Mount 4	Mount 5
			
Mount 6	Mount 7	Mount 8	Helmet Mounts
			
Protective Backdoor	USB Cable	Battery	Charger
			
Bandages	Wrist Strap for Remote	Tethers	Lens Cloth
			
Remote	Quick Start Guide		

YOUR V50 ELITE





- | | |
|------------------------------|----------------|
| ① Shutter/Wifi/Select Button | ⑦ Touch Screen |
| ② Power/Mode/Exit Button | ⑧ Up Button |
| ③ Micro USB Port | ⑨ Down Button |
| ④ microSD Card Slot | ⑩ Tripod Hole |
| ⑤ Micro HDMI Port | ⑪ Battery Door |
| ⑥ Lens | |

Note: The camera will not record sound when it is in the waterproof case.

GETTING STARTED

Welcome to your AKASO V50 Elite. To capture videos and photos, you need a microSD card (sold separately).

MICROSD CARDS

Use brand name memory cards that meet these requirements:

- microSD, microSDHC, or microSDXC
- UHS-I rating only
- Capacity up to 128GB

Note:

1. Please format the microSD card in this camera before using. To keep your microSD card in good condition, reformat it on a regular basis. Reformatting erases all of your data so be sure to transfer your photos and videos first.
2. The FAT32 and exFAT format microSD card will stop recording when the storage of each file exceeds 4GB and starts to record again in a new file.

POWERING ON/OFF

To Power On:

Press and hold the Mode button for three seconds. The camera will beep and the camera status light will be on. When information appears on the LCD display or the camera status screen, your camera is on.

To Power Off:

Press and hold the Mode button for three seconds. The camera will beep and the camera status light will be off.

SWITCHING MODES

To Switch Modes:

Turn on the camera and press the Mode button to switch modes.

To Exit a Mode:

Press the Mode button to exit a mode.

TURNING WIFI ON/OFF

To turn on Wifi

Turn on the camera. In Video or Photo mode, press and hold the Wifi button for three seconds to turn on Wifi.

To turn off Wifi

Press and hold the Wifi button for three seconds to turn off Wifi.

TURNING BT(REMOTE PAIR) ON/OFF

To turn on BT(Remote Pair)

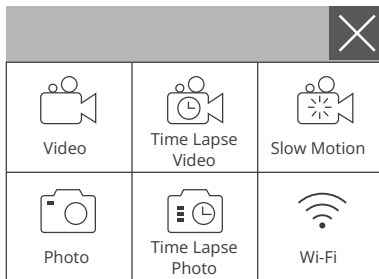
Turn on the camera. In Video or Photo mode, press and hold the Down button for three seconds to turn on BT(Remote Pair).

To turn off BT(Remote Pair)

Press the Mode button to turn off BT(Remote Pair).

OVERVIEW OF MODES

There are 6 modes: Video, Time Lapse Video, Slow Motion, Photo, Time Lapse Photo and Setting.

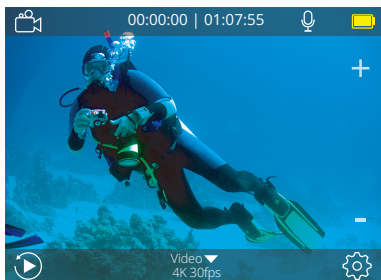


Video Mode

Video Mode is the default mode when you turn on the camera.

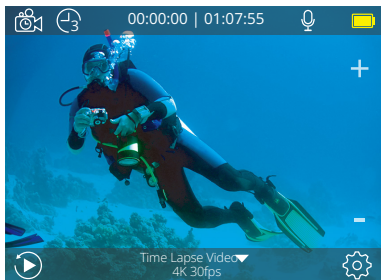
In Video Mode, press the shutter button to start recording.

Press the Shutter button again to stop recording.



Time Lapse Video Mode

In Time Lapse Video Mode, press the Shutter button to record video at 1s / 3s / 5s / 10s / 30s / 1 min intervals.



Slow Motion Mode

In Slow Motion Mode, press the Shutter button to record slow motion video.

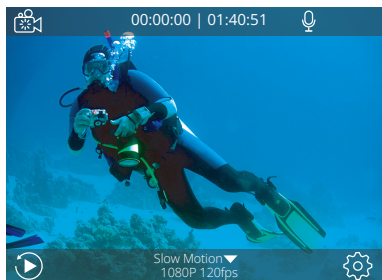
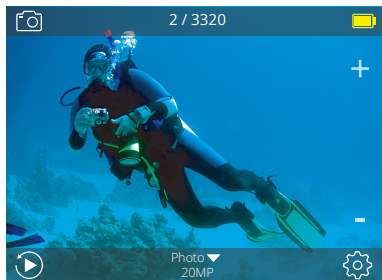


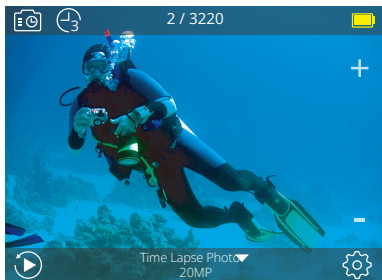
Photo Mode

Turn on the camera and press the Mode button once to switch to Photo Mode, then press the Shutter button to take a photo.



Time Lapse Photo Mode

In Time Lapse Photo Mode, press the Shutter button to take a series of photos at 3s / 5s / 10s / 30s / 1 min intervals.



Setting Mode

Press and hold the Up button for 3 seconds to enter Setting Mode.

	Photo Resolution	>
	ISO	>
	Time Lapse Interval	>
	Time Lapse Duration	>

CUSTOMIZING YOUR V50 ELITE

Video Settings

1. Video Resolution: 4K 60FPS, 4K 30FPS, 2.7K 60FPS, 2.7K 30FPS, 1080P 120FPS, 1080P 60FPS, 1080P 30FPS, 720P 240FPS, 720P 120FPS, 720P 60FPS

Default setting is 4K 30FPS.

Note: When capturing video at high resolutions or high frame rates in warm ambient temperatures, the camera may become warm and use more power.

2. Video Encoder: H.264/H.265

Default setting is H.264.

A video codec is an electronic circuit or software that compresses or decompresses digital video. It converts uncompressed video to a compressed format or vice versa. According to multiple studies, HEVC, High Efficiency Video Coding (H.265), should deliver up to 50% better compression than H.264 in video on demand (VOD) applications, which means better quality at half the bit rate. In live encoding, which obviously has to be performed in real time, the initial expectations are a 35% bandwidth reduction at similar quality levels. Alternatively, HEVC can also enable larger resolution movies, whether 2K or 4K. In addition, encoding existing SD and HD content with HEVC rather than H.264 will add to cost savings and/or the ability to stream higher quality video to lower bit rate connections.

3. Image Stabilization: On/Off

Default setting is Off.

This setting adjusts the footage to offset for motion during capture. The result is smoother footage, especially in activities with relatively small but fast motion including cycling, motorcycling, and handheld uses.

Note: Image Stabilization is disabled when you select 4K 60FPS, 2.7K 60FPS, 1080P 120FPS or all 720P video resolutions.

4. Loop Recording: Unlimited/2 Min/3 Min/5 Min

Default setting is Unlimited.

With Looping Recording set, the camera continuously records video in segments of the selected length. When the memory is full, new video files will overwrite the old ones to ensure continuous recording.

Note: Loop Recording is disabled when Image Stabilization is on.

5. Time Lapse Interval: Off/1 Sec/3 Sec/5 Sec/10 Sec/30 Sec/1 Min

Default setting is Off.

Time Lapse Video creates video from frames captured at specific intervals.

This option lets you capture a time lapse event and immediately view or share it as a video. Time Lapse Video is captured without audio.

If you select a 3-second interval, the camera will record 3 seconds to get one frame per second.

For example: If you select 4K 30FPS and 3 seconds, you need to record 90 seconds to get a 1-second video at 4K 30FPS.

Note: Time Lapse Video is disabled when Image Stabilization is on.

6. Time Lapse Duration: Unlimited/5 Min/10 Min/15 Min/20 Min/30 Min/60 Min

Default setting is Unlimited.

Note: If you want to set Time Lapse Duration, please turn on Time Lapse Interval first.

7. Slow Motion Movie: On/Off

Default setting is Off.

Slow motion is an effect in film-making whereby time appears to be slowed down.

Note: Please select 1080P 120FPS, 720P 240FPS or 720P 120FPS when you want to record a slow motion movie.

8. Fast Motion Movie: Off/2x/4x/6x/10x/15x

Default setting is Off.

Action that appears to move faster than normal on the screen, accomplished by filming the action at less than normal speed in the camera and then projecting it at normal speed.

9. Wind Noise Reduction: On / Off

Default setting is Off.

Turn on Wind Noise Reduction to lower the noise to an acceptable level.

10. Angle: Wide/Medium/Narrow

Default setting is Wide.

The angle refers to how much of the scene can be captured through the camera lens. Wide angle captures the largest amount of the scene, while Narrow angle captures the least.

Note: Medium and Narrow are disabled when Image Stabilization is on.

11. Sound Record: On/Off

Default setting is On.

If you turn Sound Record off, the camera will not record audio when you record video.

12. Auto Low Light: On/Off

Default setting is Off.

Auto Low Light mode will automatically adjust settings according to lighting conditions to achieve the best low light performance. Even if you move back and forth between bright and dark environments, you will not need to manually adjust the camera settings.

Note: Auto Low Light is disabled when you select 4K 60FPS, 4K 30FPS, 2.7K 60FPS or 2.7K 30FPS video resolutions.

13. Drive Mode: On/Off

Default setting is Off.

If you turn on Drive Mode and connect the camera via the car cigarette lighter, the camera will turn on automatically when you start your car and turn off when you stop your car.

14. Video Scene Mode: Manual, Water, Riding, Winter, Diving, Night

Default setting is Manual.

Photo Settings

1. Photo Resolution: 20MP/16MP/12MP/10MP/8MP/5MP

Default setting is 20M.

2. ISO: Auto / 100 / 200 / 400 / 800 / 1600 / 3200

Default setting is Auto.

ISO determines the camera's sensitivity to light, and creates a trade-off between brightness and resulting image noise. Image noise refers to the degree of graininess in the image.

3. Time Lapse Interval: Unlimited/3 Sec/5 Sec/10 Sec/30 Sec/1 Min

Default setting is Unlimited.

Time Lapse Photo captures a series of photos at specified intervals. Use this mode to capture photos of any activity, then choose the best ones later.

Note: Time Lapse Photo is disabled when Burst Photo is on.

4. Time Lapse Duration: Unlimited/5 Min/10 Min/15 Min/20 Min/30 Min/60 Min

Default setting is Unlimited.

Note: If you want to set Time Lapse Duration, please turn on Time Lapse Interval first.

5. Night Lapse: On/Off

Default setting is Off.

Captures a series of photos at specific intervals and exposure times. Use Night Lapse in low light environments, such as when capturing the night sky over a period of time.

6. Burst Photo: Off, 3 shots/1s, 7 shots/2s, 15 shots/4s, 30 shots/8s

Default setting is Off.

Burst captures up to 30 photos in 8 seconds, making it perfect for capturing fast-moving activities.

7. Delay Timer: Off/Delay 3s/Delay 5s/Delay 10s/Delay 20s

Default setting is Off.

The delay timer gives a delay between pressing the shutter release and the shutter's firing. This is the most common way for photographers to take a photo of themselves (often with family).

8. Long Exposure: Off/1 Sec/2 Sec/5 Sec/8 Sec/30 Sec/1 Min

Default setting is Off.

Long exposures are easiest to accomplish in low-light conditions, but can be achieved in brighter light using neutral density filters or specially designed cameras.

Note: Long Exposure is disabled when Burst Photo is on.

9. RAW: On/Off

Default setting is Off.

10. Photo Scene Mode: Manual, Indoor, Outdoor, Portrait, Landscape, Night

Default setting is Manual.

Camera Settings

1. Sounds

Shutter: On/Off

Boot-up: On/Off

Beep: On/Off

Volume: 0/1/2/3 (Default: 2)

Default setting is on.

You can turn the shutter, boot-up and beep sounds on or off.

2. BT(Remote Pair): On/Off (Remote)

Default setting is Off.

You can also press and hold the Down button for three seconds to turn on BT(Remote Pair). Press the Mode button to turn off BT(Remote Pair).

3. Distortion Calibration: On/Off

Default setting is Off.

Turn on Distortion Calibration to correct image distortion.

Note: Distortion Calibration is disabled when you select 4K 60FPS video resolution.

4. Special Effect: None, Black&White, Sepia, Vivid, Natural, Negative, Warm, Cold, Red, Green, Blue

Default setting is None.

5. Diving Mode: On/Off

Default setting is Off.

Diving Mode can compensate for the lack of red light in underwater environments. Diving Mode is designed to be used in tropical and blue water, optimized for use between 10 and 80 feet.

6. Date Stamp: Off/Date/Date&Time

Default setting is Off.

If you select Date&Time, the camera will add a date and time stamp to your videos and photos.

Note: Date Stamp is disabled when Image Stabilization is on.

7. Date & Time

Default setting is MM/DD/YY HH/MM/SS

8. Screen Saver: Off/30 Sec/1 Min/2 Min

Default setting is 1 Min.

Screen Saver turns off the LCD display after a period of inactivity to save battery life. Press any button on the camera to turn the display back on.

9. Auto Power Off: Off/1 Min./2 Min.

Default setting is 2 Min.

Powers off your V50 Elite after a period of inactivity to save battery life.

10. Power-on Auto Record: On/Off

Default setting is Off.

If you enable Power-on Auto Record, the camera will record video automatically after you turn on the V50 Elite.

11. Power Frequency: 50Hz/60Hz

Default setting is 50Hz.

12. White Balance: Auto/Daylight/Cloudy/Tungsten Light/White Fluorescent/

Default setting is Auto.

White Balance lets you adjust the color temperature of videos and photos to optimize for cool or warm lighting conditions. When you change this setting, the LCD display immediately shows you the effect on your image.

13. Exposure: -2.0/-1.0/+0.0/+1.0/+2.0

Default setting is +0.0.

By default, your camera uses the entire image to determine the appropriate exposure level. However, Exposure lets you select an area that you want the camera to prioritize when determining exposure. This setting is particularly useful in shots where an important region might otherwise be over- or underexposed.

When you change this setting, the LCD display immediately shows you the effect on your image. If you change the mode, the camera will revert back to using the entire image to determine the correct exposure level.

14. Reset Wifi Setting: Yes/No

Default setting is No.

This option can erase the Wifi data of the V50 Elite.

15. Language: English, Português, 日本語, Deutsch, Italiano, Español, Français

Default setting is English.

16. Format Card: Yes/No

Default setting is No.

To keep your microSD card in good condition, reformat it on a regular basis. Reformatting erases all of your content, so be sure to offload your photos and videos first. To reformat your card, please enter Camera Settings, press the Up or Down button to scroll through the options until you locate the 'Format Card' option, then press the Shutter button → Up button → Shutter button.

17. System

Default Setting: Yes/No

System Info: V50 Elite: YYYYMMDD-V2

Card Info: Capacity/Free Space

The Default Setting option resets all settings to their default values.

The System Info option lets you check the model, version and updated time of your V50 Elite. The Card Info option lets you check the capacity and free space of your microSD card.

Some functions cannot be used at the same time. Please refer to the information below.

Image Stabilization	4K 60FPS, 2.7K 60FPS, 1080P 120FPS, 720P 240FPS, 720P 120FPS, 720P 60FPS
Image Stabilization	Slow Motion Movie
Image Stabilization	Angle: Middle, Narrow
Image Stabilization	Zoom
Image Stabilization	Time Lapse Video
Image Stabilization	Date Stamp
Distortion Calibration	4K 60FPS
Loop Recording	4K 60FPS
Video Encoder (H.265)	4K 60FPS
Burst Photo	Time Lapse Photo
Burst Photo	Long Exposure

CONNECTING YOUR V50 ELITE WITH REMOTE

1. Turn on the camera.
2. Press and hold the Down button for three seconds to turn on BT(Remote Pair).
The screen will show "BT(Remote Pair) ON" → "Scanning".
Note: You can also go to Camera Settings to turn on BT(Remote Pair).
3. Press and hold the Power button for three seconds to turn on the remote.
The remote indicator will flash every second during connection.
4. The camera screen will show "Connected". The remote indicator will remain on after the V50 Elite successfully connects with the remote.
Note: The photo indicator will flash when you take a photo. The video indicator will flash for two seconds during video recording.

CONTROLLING YOUR V50 ELITE WITH YOUR VOICE

You can control your V50 Elite with your voice using a set of specific commands (see list below).

Note: Voice Control performance may be impacted by distance, wind, and noisy conditions. Keep the product clean and clear of debris.

USING VOICE CONTROL

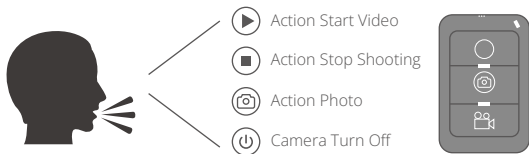
Voice Control works best when you speak a command to the remote mic directly.

1. Turn on the camera and remote.
2. Connect the camera with the remote.
3. Speak a command to the remote mic from the list below.

Note: Voice Control also turns off when your camera powers off.

Action Command	Description
Action Start Video	Starts capturing video
Action Stop Shooting	Stops capturing video
Action Photo	Captures a single photo
Camera Turn Off	Powers off the camera

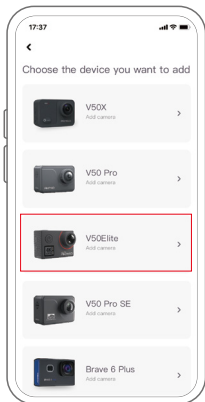
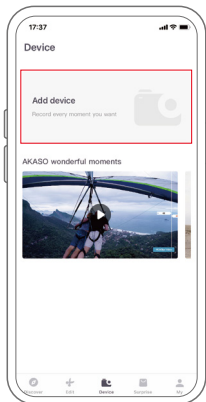
Pro Tip: If you are recording video, you must stop recording before issuing a new command.



CONNECTING TO THE AKASO GO APP

The **AKASO GO** app lets you control your camera remotely using a smartphone or tablet. Features include full camera control, live preview, playback, download, data sharing and camera settings.

1. Download the **AKASO GO** app to your mobile device from the **App Store** or **Google Play**.
2. Turn on the camera. In Video or Photo Mode, press and hold the Wifi button for three seconds to turn on Wifi.
3. Turn on Wifi of your mobile device and connect to the Wifi SSID "**AKASO_V50Elite**".
4. Enter the password: 1234567890
5. Open the AKASO GO app and tap the "Add device" icon. Add "V50Elite" and click "Live Preview".
6. Your camera will now be connected to the AKASO GO app.



PLAYING BACK YOUR CONTENT

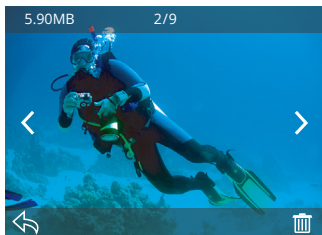
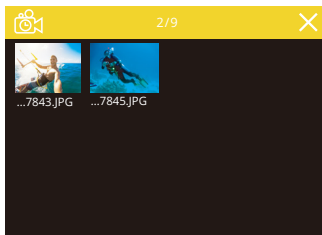
You can play back your content on the camera's LCD display, your computer, TV, or smartphone/tablet.

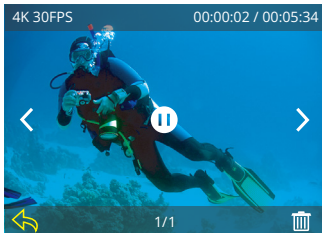
You can also play back content by inserting the microSD card directly into a device, such as a computer or compatible TV. With this method, playback resolution depends on the resolution of the device and its ability to play back that resolution.

VIEWING VIDEOS AND PHOTOS ON YOUR V50 ELITE

1. Turn on the camera.
2. Tap the video file icon  in the left corner of the screen to enter the playback mode.
3. Tap the video file icon  or photo file icon .
4. Tap a video or photo file to playback that video and photo in the full-screen view.
5. To exit video or photo files, tap the return icon .

Note: If your microSD card contains a lot of content, it might take a minute to load.

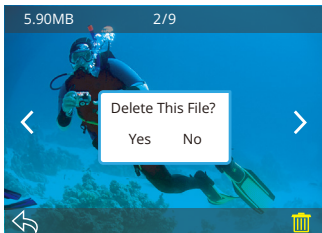




DELETING VIDEOS AND PHOTOS ON YOUR V50 ELITE

1. Enter the playback mode.
2. Tap the video file icon  or photo file icon .
3. Tap the video or photo file you wish to delete.
4. Tap . The screen will show "Delete This File? Yes/No".
5. Tap "Yes" and the selected file will be deleted.

Note: You cannot delete video or photo files when they are in full-screen view.



TRANSFERRING YOUR DATA

Transferring Your Data to a Computer

To offload files to a computer, you need a card reader (sold separately). Connect it to the computer via a USB port and insert the microSD card. You can then transfer files to your computer or delete selected files by using file explorer.

Transferring Your Data to a Smartphone or Tablet

1. Open the AKASO GO app. Connect the camera to the app.
2. Tap the Playback icon to see all videos and photos.
3. Select the photo or video that you wish to download, then tap the More icon in the upper right corner and choose Download.

Note:

1. If you cannot transfer videos or photos to your iPhone or iPad, please go to Settings → Privacy → Photos, find "AKASO GO" and select "Read and Write".
2. iPhone and iPad do not allow the download of 4K or 2.7K video via the app. Please transfer 4K or 2.7K video via a card reader.

ADJUSTING THE ZOOM LEVEL

The Zoom function lets you adjust how close or far away the subject appears in your video or photo. The default is no zoom. The Zoom function is available in Video mode and Photo mode. The V50 Elite is capable of 8X zoom.

1. Turn on the V50 Elite.
2. Press the Up or Down button to adjust the zoom level.

Note: You cannot zoom when Image Stabilization is on.

REFORMATTING YOUR MICROSD CARD

To keep your microSD card in good condition, reformat it on a regular basis. Reformatting erases all of your content, so be sure to transfer your photos and videos first.

1. Turn on the camera and enter Camera Settings.
2. Scroll down to locate the "Format Card" option.
3. Tap "Yes". The screen will show "Busy... Please wait", after which your microSD card will be successfully reformatted.

MAINTAINING YOUR CAMERA

Follow these guidelines to get the best performance from your camera:

1. For best audio performance, shake the camera or blow on the mic to remove debris from the microphone holes.
2. To clean the lens, wipe it with a soft, lint-free cloth. Do not insert foreign objects around the lens.
3. Do not touch the lens directly with your fingers.
4. Prevent the camera from being dropped or bumped to avoid causing damage to the parts inside.
5. Keep the camera away from high temperatures and strong sunlight to avoid damage.

MAXIMIZING BATTERY LIFE

If battery power reaches 0% while recording, the camera will save the file and power off. To extend battery life, please follow these guidelines where possible:

- Turn off Wireless Connections
- Capture video at lower frame rates and resolutions
- Use the Screen Saver setting.

BATTERY STORAGE AND HANDLING

The camera contains sensitive components, including the battery. Avoid exposing your camera to very cold or very hot temperatures. Low or high temperature conditions may temporarily shorten the battery life or cause the camera to temporarily stop working properly. Avoid dramatic changes in temperature or humidity when using the camera, as condensation may form on or within the camera.

Do not dry the camera or battery with an external heat source such as a microwave oven or hair dryer. Damage to the camera or battery caused by liquid inside the camera is excluded from the warranty.

Do not store the battery with metal objects, such as coins, keys or necklaces. If the battery terminals come close to metal objects, fire may be caused.

Do not make any unauthorized alterations to the camera as this may compromise safety, regulatory compliance or performance, and may void the warranty.

WARNING: Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate or paint the camera or battery. Do not insert foreign objects into the battery opening of the camera. Do not use the camera or battery if it has been damaged; for example, if it is cracked, punctured or damaged by water. Disassembling or puncturing the battery can cause an explosion or fire.

REMOTE



Power Button

Press and hold the Power button for 3s to turn the remote on or off.

Video Button

To record video, put the camera in Video mode.

Photo Button

To capture a photo, put the camera in Photo mode.

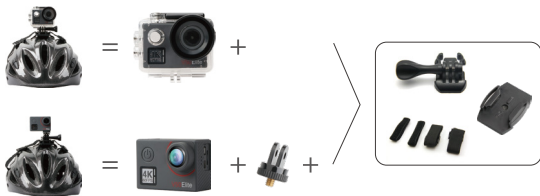
CONNECTING YOUR V50 ELITE WITH THE REMOTE

1. Turn on the camera.
2. Press and hold the Down button for three seconds to turn on BT(Remote Pair).
The screen will show "BT(Remote Pair) ON" → "Scanning".
Note: You can also go to Camera Settings to turn on BT(Remote Pair).
3. Press and hold the Power button to turn on the remote. The remote indicator will flash once per second during connection.
4. The camera screen will show "Connected". When the V50 Elite is successfully connected with the remote, the remote indicator will remain lit.

Note: The photo indicator will flash when taking a photo. The video indicator will flash for two seconds when recording a video.

MOUNTING YOUR CAMERA

You can attach your camera to helmets, handlebars and equipment, as follows:





CONTACT US

For any inquiries about AKASO products, please feel free to contact us. We will respond within 24 hours.

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Tel: (888) 466-9222 (US) Mon-Fri (except holiday) 9am-5pm (EST)

Official website: www.akasotech.com

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