AKASO

EK7000

ACTION CAMERA



USER MANUAL

V316

EN

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To get detailed instructions on operating this camera, watch how-to videos by scanning the provided QR code or visiting this link: https://www.akasotech.com/videos.

Important Messages

Congratulations on your new AKASO EK7000 Action Camera! You must be excited to use your new camera, but please spend some time familiarizing yourself with this manual first so that you get the most out of your camera's features and use it safely. It's important to regularly update the camera's firmware. Connect your camera to the AKASO GO app through the camera's Wifi to download and install the latest firmware.

1. This camera is a precision instrument. Safeguard it from drops or impacts to prevent damage.
2. Ensure the camera operates within its recommended temperature range. Avoid leaving it at high or low temperatures for extended periods, as this can reduce its lifespan.
3. This camera body is waterproof, but make sure all covers are tightly closed and the lens area is free from debris before immersing it underwater.
4. After using the camera in saltwater, rinse it with fresh water and gently dry it with a soft cloth.
5. Avoid charging the camera for long periods of time. While charging, keep the camera away from kids and pets to prevent accidents.
6. Remove the battery from the camera if you don't plan to use it for an extended period.
7. Store the camera away from devices or objects with strong magnetic fields or power, like motors and magnets.
8. Store the camera away from sharp objects and moisture-prone areas.

Notes on Using the Waterproof Housing

This camera is not waterproof, so it's essential to place it in the included waterproof housing before using it in wet or underwater environments. The housing protects your camera from mud, dirt, debris, and, most importantly, water during your adventures. With the camera properly secured inside, you can safely dive up to 40 meters (132 feet) without concern.

To maximize the potential of the waterproof case, follow these guidelines:

Before Use

1. Carefully inspect the housing for any signs of wear, cracks, or damage. Replace or repair it immediately if needed to ensure proper protection.
2. Check that all buttons on the housing function correctly and examine the rubber seal for any damage or deformities that could cause leaks.
3. Clean the camera's surface thoroughly to remove dust, dirt, or oil that could compromise the waterproof seal.
4. Once the camera is inside the housing, ensure no foreign objects are trapped around the rubber seal, and firmly close the backdoor to create a secure, watertight seal.

During Use

1. Avoid prolonged submersion to minimize potential stress on the housing and internal components.
2. Do not exceed the maximum depth rating, as excessive pressure could cause leaks or cracks, endangering your camera.

After Use

1. Rinse the housing thoroughly with fresh water after each use to remove salt, chlorine, or debris, then dry it completely to prevent stains or residue buildup.
2. Submerge the housing in clean water for 5–10 minutes, gently shaking it to help dislodge any trapped residue.
3. Clean and dry both the interior and exterior with a soft cloth, then leave it in a well-ventilated area to air dry completely before storing it.

Warm tips:

1. Before using the housing, perform a waterproof test by submerging it in shallow water to check for leaks.
2. Do not use heat sources such as hair dryers to dry the housing, as excessive heat can compromise its waterproof integrity.
3. Avoid using the housing in hot springs, while bathing, or in extreme weather conditions, as exposure to high temperatures and corrosive elements can shorten its lifespan.
4. If there are sudden temperature or humidity changes, stop using the housing to prevent condensation inside, which could affect image quality.
5. Protect the housing from strong vibrations or impacts, as these may damage the seals and compromise waterproofing.
6. Never attempt to dismantle the housing, as this may impair its waterproof performance.

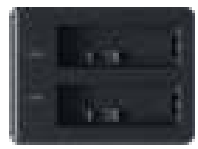
What's in the Box



AKASO EK7000



Waterproof Housing



Battery Charger



Battery



USB Cable



Remote Control



Remote Control Strap



Protective Backdoor



Clip



Clip 2



Buckle Mount



J-Hook Mount



E Mount



C Mount



D Mount



F Mount



A Mount



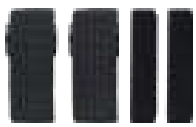
H Mount



Helmet Mounts



Spanner



Bandage



Tether



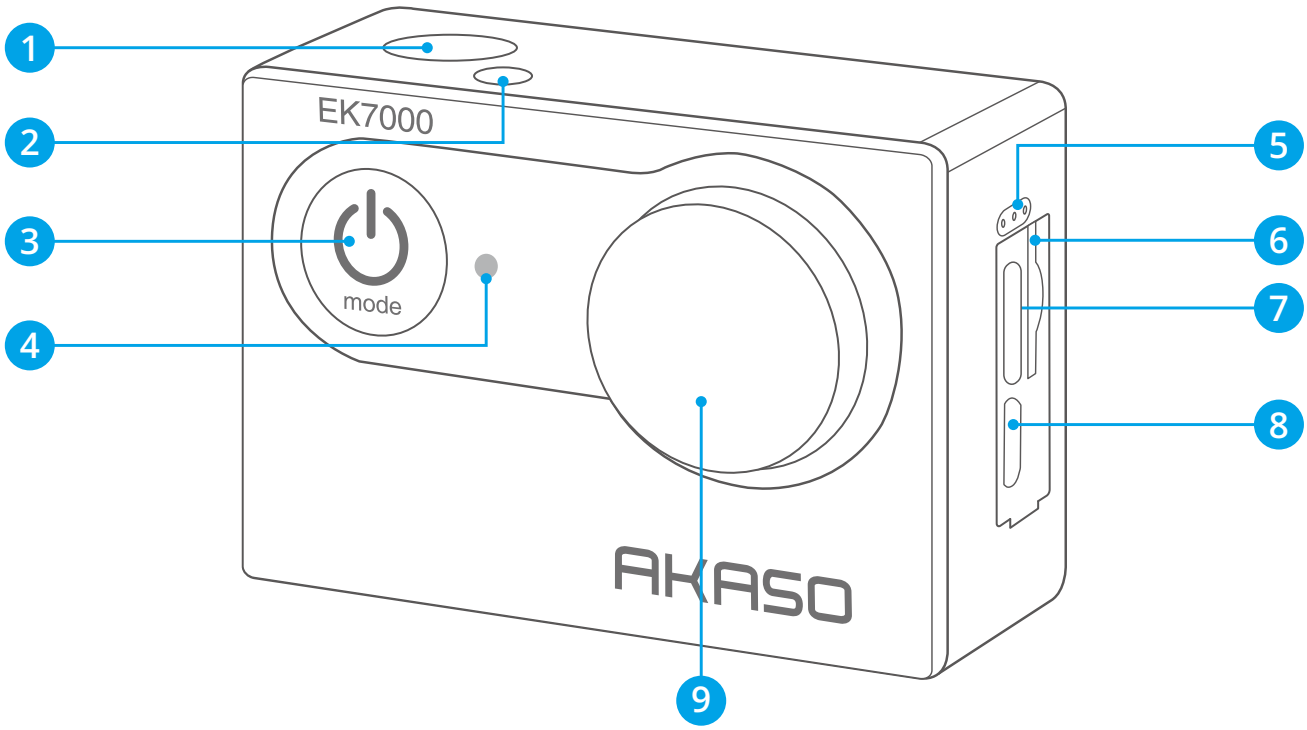
Lens Cloth

Double Sided Adhesive Tape

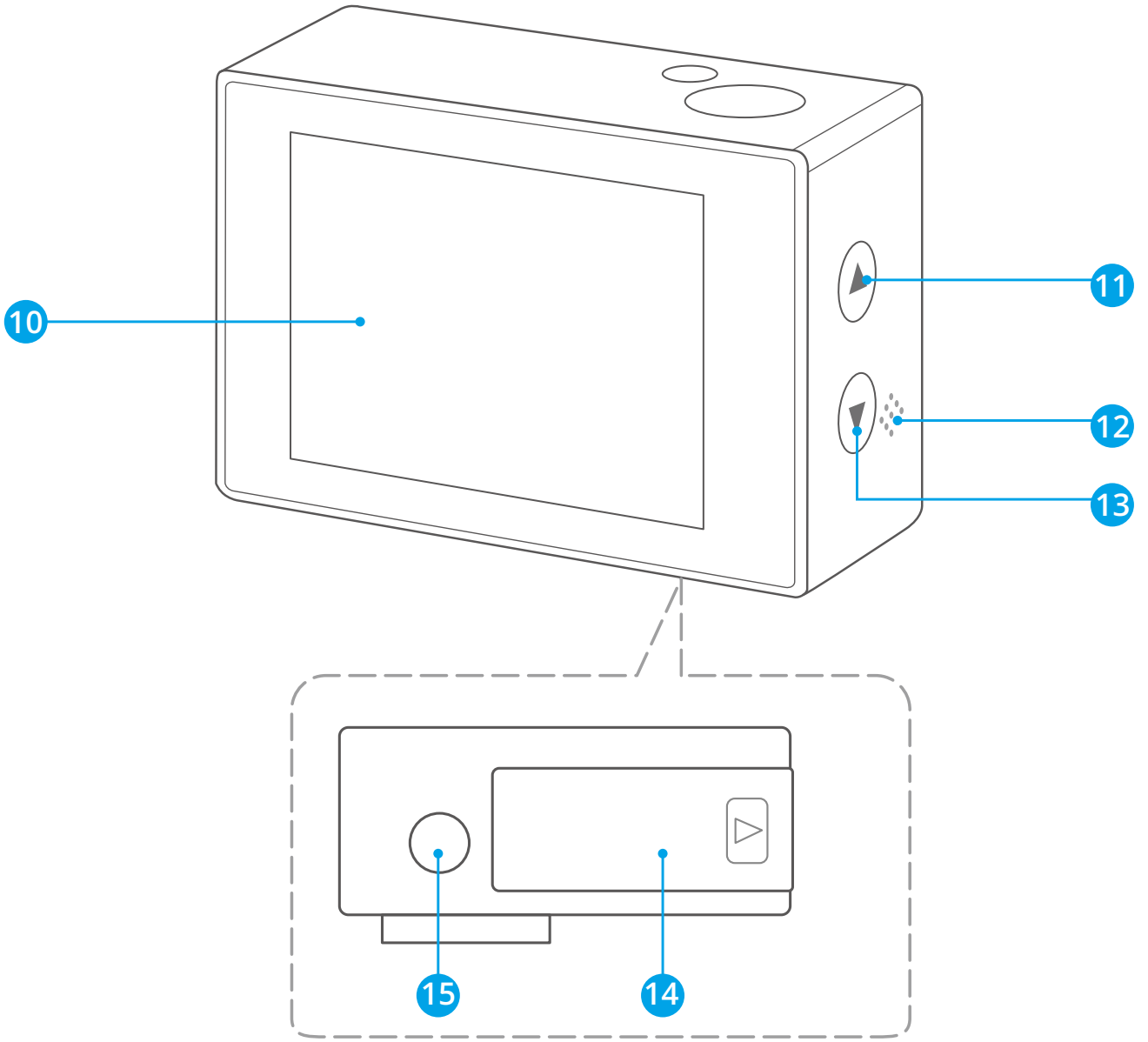


Quick Start Guide

Your EK7000



1. Shutter / OK Button
2. Working / Wifi Indicator
3. Power / Mode / Exit Button
4. Charging Indicator
5. Microphone
6. Memory Card Slot
7. USB / External Mic Port
8. Micro HDMI Port
9. Lens



10 Display Screen

11 Up / Playback

12 Button Speaker

13 Down / Wifi

14 Button Battery Cover

15 1/4-Inch Nut Hole



1. Shutter / Select
2. Button Up / Playback
3. Button Down / Wifi Button
4. Bolt
5. Lens
6. Power / Mode / Exit Button

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

Getting Started

Welcome to your new EK7000. To capture video and photos, you will need a memory card (sold separately).

Using Memory Cards

Use brand name memory cards that meet these requirements:

- Class 10 or UHS-I rating
- Capacity up to 256GB (FAT32)

Note:

1. Format the memory card in the camera before using it to ensure compatibility.
2. Memory cards larger than the specified maximum capacity can cause issues like non-recognition or even camera malfunctions like unresponsiveness or firmware failure.
3. With FAT32, the card will stop recording and create a new file if the file size of a recording reaches 4GB.

Installing the Memory Card

First locate the memory card slot, then insert the memory card in the illustrated direction on the camera. To remove the card, simply press it into the slot with your fingernail, and it will then pop out.

Note: Be sure to turn off the camera before installation.

Formatting the Memory Card

Before using the camera, format the memory card to ensure compatibility. Follow these steps to format your card:

Step 1: When on the preview screen, press the Mode button multiple times, then press the Shutter button to access the camera's settings screen.

Step 2: Press the Down button repeatedly until you locate the "Format" option.

Step 3: Press the Shutter button to open the formatting screen.

Step 4: Use the Down and Shutter buttons to select the "Yes" option and confirm formatting.

Step 5: Wait a few seconds, and your card is formatted successfully.

Installing the Battery

Press down on the buckle of the battery cover to open it, insert the battery into its slot, and close the cover. To remove the battery, pull the battery strip.

Charging the Camera

Before using the camera for the first time, please fully charge the camera. To do this, locate the USB power port, and connect the camera to a USB adapter or computer using the USB cable. The charging indicator stays solid while charging and goes out when fully charged. Once fully charged, disconnect the cable and ensure the charging cover is securely fastened.

Tip: You can also charge the battery on the battery charger before installing it onto the camera.

Powering on or off

To power on: While the camera is off, press and hold the Power button for 3 seconds to turn it on. Once the display screen shows camera information and the working indicator turns blue, you'll know that your camera is powered on.

To power off: While the camera is on, press and hold the Power button for 3 seconds to turn it off. The working indicator will also turn off.

Turning Wifi on or off

To turn on: On the preview screen, press the Down button to turn on Wifi. The Wifi indicator will be flashing slowly.

Note: If the camera's Wifi is activated but not linked to the app within 3 minutes, it will auto-disable. Re-activate the camera's Wifi to reconnect to the app.

To turn off: On the Wifi screen, press the Down button to turn off Wifi.

Switching Modes

To switch mode: On the preview screen, press the Mode button to switch modes between Video, Photo, Burst Photo, Time Lapse, and Settings.

To exit mode: Press the Mode button to exit the current mode. Zooming in or out On the preview screen, press and hold the Up or Down button to zoom in or out. Each press will incrementally zoom in or out by 0.5x. The EK7000 action camera supports up to 4x zoom.

Using the Shutter Button

In Photo or Video mode, press the Shutter button to capture photos or start video recording. To stop recording in Video mode, press the Shutter button again.

Tip: The working indicator will flash slowly during video recording and flash once when capturing a photo.

Entering the Settings Screen

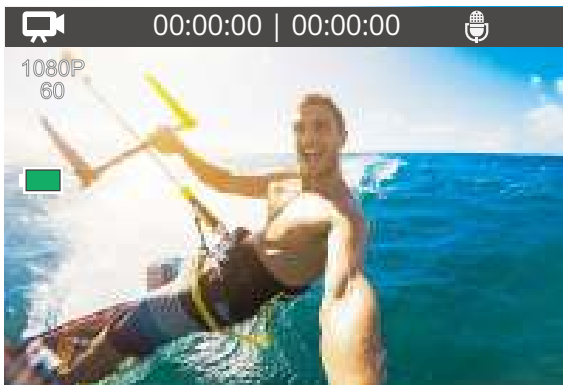
On the preview screen, press the Mode button multiple times to enter the camera's settings screen. From there, you can configure the video, photo, and system settings. To exit the settings screen, press the Mode button.

Entering the Playback Screen

On the preview screen, press the Up button to enter the playback screen. From there, you can choose either video or photo files for playback.To exit the playback screen, press the Up button.

Overview of Modes

The camera boasts 5 modes: Video, Photo, Burst Photo, Time Lapse, and Settings. On the preview screen, press the Mode button to switch modes.



Video Mode

The camera is in Video mode by default when turned on.

In this mode, press the Shutter button to record normal video at the preset resolution and frame rate. Press the Shutter button again to stop recording.

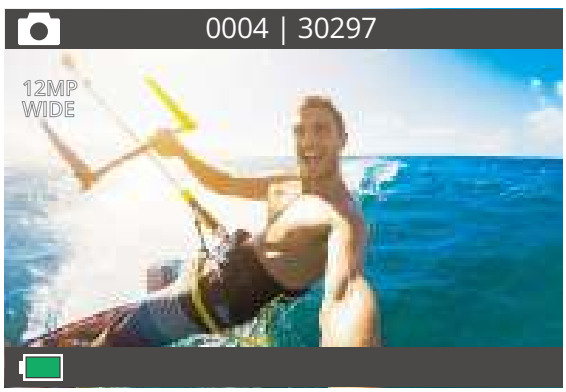
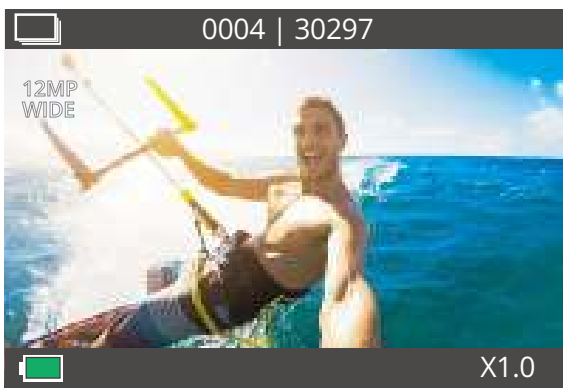


Photo Mode

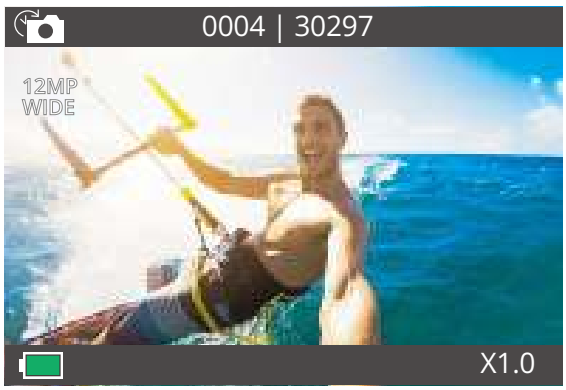
On the preview screen, press the Mode button once to switch to Photo Mode.

In this mode, press the Shutter button to take a photo at the preset photo resolution.



Burst Photo Mode

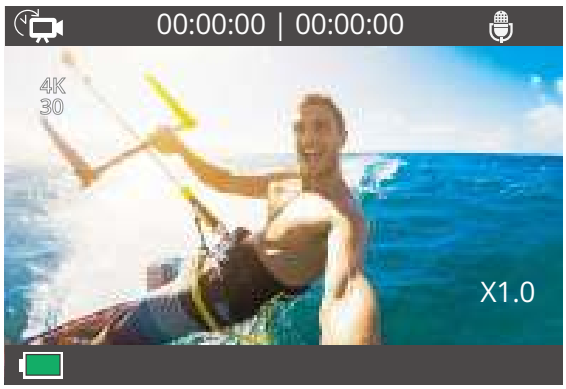
On the preview screen, press the Mode button twice to switch to Burst Photo Mode.
In this mode, press the Shutter button to continuously take 3 photos per second.



Time Lapse Photo Mode

On the preview screen, enter the camera's settings screen to enable Time Lapse Photo, then press the Shutter button followed by the Mode button to return to the preview screen. After doing so, press the Mode button multiple times to switch to Time Lapse Photo mode.

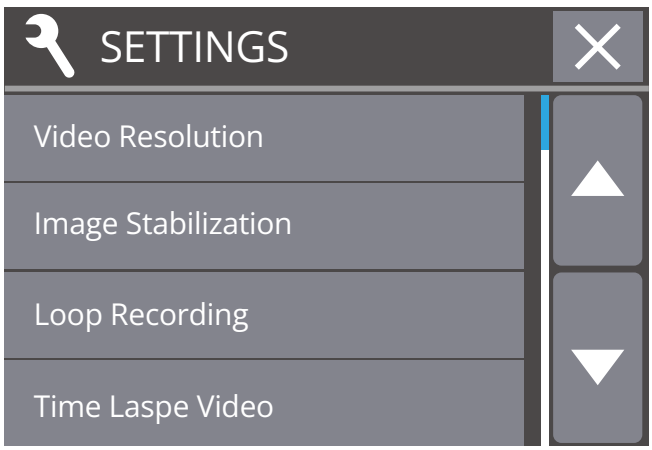
In this mode, press the Shutter button, and the camera automatically starts the preset countdown time to take a photo and repeats this process continuously until you press the Shutter button again.



Time Lapse Video Mode

On the preview screen, enter the camera's settings screen to enable Time Lapse Video, then press the Shutter button followed by the Mode button to return to the preview screen, and the camera will enter Time Lapse Video mode.

In this mode, press the Shutter button, and the camera captures a series of frames at the set interval and condenses them into a short video clip.



Settings Mode

On the preview screen, press the Mode button several times till you see the settings icon, and press the Shutter button to enter Settings mode.

In this mode, press the Up or Down button to browse through options, and press the Shutter button to confirm your selected option.

Customizing Your EK7000

Video & Photo Settings

1. Video Resolution

4K30fps / 2.7K30fps / 1080P60fps / 1080P30fps / 720P120fps / 720P60fps (Default setting: 1080P60fps)

Configure the resolution settings before recording videos. The camera records up to 4K 30fps videos.

Note: Capturing high-resolution or high-fps videos in warm

2. Image Stabilization

Off / On (Default setting: Off)

Image Stabilization can efficiently smooth out the lens shakes, resulting in smooth and pristine videos. This feature is ideal for capturing scenes involving activities like riding, skating, and handheld use.

Note: This setting is automatically disabled when the Time Lapse Video setting is enabled.

3. Loop Recording

Off / 1 Min / 3 Min / 5 Min (Default setting: Off)

Set the loop duration for the camera to capture short video clips. For instance, if you select the "3 Min" option, the camera will save video files every 3 minutes. When the memory is full, new video files will overwrite the old ones to ensure continuous recording.

4. Time Lapse Video

Off / 1s / 3s / 5s / 10s / 20s / 30s / 60s (Default setting: Off)

Specify the frequency at which the video frames are captured and compiled. With this setting enabled in Time Lapse Video Mode, the camera captures a series of frames at the set interval and condenses them into a short video clip, making it ideal for use in capturing dynamic or changing scenes, such as clouds, stars, sunsets, and more.

Note: Time lapse videos are captured without audio. Image Stabilization is automatically disabled this setting is enabled.

5. Photo Resolution

20MP / 16MP / 14MP / 12MP / 8MP / 5MP / 4MP (Default setting: 20MP)

Set the photo resolution before capturing photos. This camera is capable of capturing 20MP photos, with higher resolution offering greater clarity and detail due to the increased number of pixels. However, higher resolution photos also result in larger file sizes.

6. Self-timer

2s / 3s / 5s / 10s / 20s / 30s / 60s (Default setting: 5s)

Set the countdown time before the camera captures photos in Time Lapse Photo mode.

7. Time Lapse Photo

Off / On (Default setting: Off)

Enable Time Lapse Photo mode. In this mode, the camera automatically starts the preset countdown time to take a photo and repeats this process continuously until you press the Shutter button again.

8. Burst Photo

3 Photos

Burst Photo continuously captures 3 photos in 1 second, making it ideal for capturing fast-moving activities.

System Settings

1. Microphone

Built-in / External (Default setting: Built-in)

Choose to select either a built-in microphone or an external one. To use an external microphone for better sound quality, select the “External” option first. Then, connect a compatible external microphone to the camera’s USB port.

Tip: If you do not wish to use an external microphone, be sure to select the "Built-in" in case the camera does not properly record sound during video recording.

2. Special Effect

Normal / Black & White / Retro / Negative / Warm / Cool / Red / Green / Blue (Default setting: Normal)

Choose an ideal special effect for your photos or videos to enhance their appeal.

3. Exposure

-3 / -2 / -1 / 0 / +3 / +2 / +1 (Default setting: 0)

EV (Exposure Value) lets you adjust the brightness of your photos and videos. A higher EV value creates a brighter image, while a lower value results in a darker image.

4. Upside Down

Off / On (Default setting: Off)

This setting determines the orientation of your videos or photos to prevent upside down footage.

Note: The user interface will be upside-down when Upside Down is enabled.

5. Power Frequency

50Hz / 60Hz / Auto (Default setting: 60Hz)

Select the frequency for which the video recorded or played back on the TV according to your region. If you live in the northeastern area, please set the power frequency to 60Hz. If you live outside this area, set it to 50Hz. Be sure to select the correct format to avoid the light waves while capturing indoors.

6. Screen Saver

Off / 1 Min / 3 Min / 5 Min (Default setting: 1 Min)

Determine when the camera's display should go dormant to conserve battery. If you need the screen back on, just press any button.

7. Auto Power Off

Off / 1 Min / 3 Min / 5 Min (Default setting: 3 Min)

Set the duration of inactivity after which the camera automatically powers off. If not operated within the chosen duration, the camera will shut down.

8. Date Stamp

Off / On (Default setting: On)

Turn this setting on or off. With Date Stamp enabled, the camera will add a watermark to your videos or photos.

9. Volume

High / Middle / Low / Off (Default setting: Middle)

Adjust your camera's system volume to an acceptable level.

10. Beep

Off / On (Default setting: On)

Turn the key tone on or off. With Beep disabled, the camera will not emit any sound when using its buttons.

11. Language

English / 简体中文 / 繁體中文 / Italiano / Español / Português / Deutsch / Dutch / Français / Čestina / Polski / Türk / Русский / Romaña / 日本語 / 한국어 / Thai (Default setting: English)

Set the system language that appears on the camera.

12. Date & Time

DD / MM / YY HH / MM / SS

Manually set the camera's date and time according to your local time.

Tip: The date and time will also be automatically updated when you connect your camera to the AKASO GO App.

13. Format

No / Yes (Default setting: No)

Format your memory card before using it for better compatibility. To keep your memory card in good condition, reformat it on a regular basis. Formatting will delete all the media files stored in the memory card. Ensure important files are saved elsewhere before proceeding.

14. Factory Reset

No / Yes (Default setting: No)

This option resets all settings to their default values.

15. Version

Model: EK7000

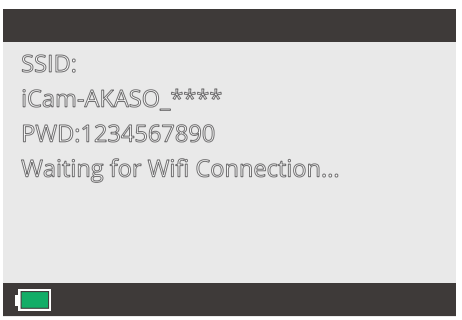
Version: SN_16_XXXXXX

Check the model and the updated time of your EK7000.

Connecting to AKASO GO App

To sync your camera with the app, download the AKASO GO App from the App Store (iOS) or Google Play (Android) by searching for “AKASO GO”. When your camera is connected to the AKASO GO App, you can change its settings or control it to capture using your phone. You can also live preview, playback, download, edit, and share videos via this app. Follow the steps below to connect your camera to the AKASO GO App. Note: For a successful connection, first allow the app to access your Location and Local Network.

1. Turn on the camera, press the Down button to turn on Wifi. The camera will enter Wifi mode and display the Wifi information in 3 seconds.



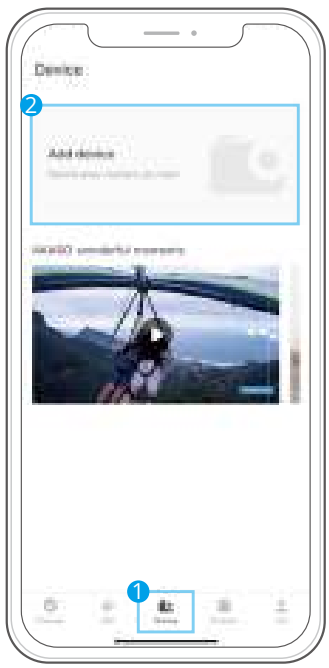
Tip: The camera's Wifi will not be connected to the Internet. You cannot operate the camera when it's in Wifi mode. Exiting the Wifi screen disconnects the camera Wifi automatically.

2. Enter your phone's Wifi settings page, find the Wifi named "iCAM_AKAAO_A_XXXX" in the list and tap on it, then enter the password 1234567890 for connection.



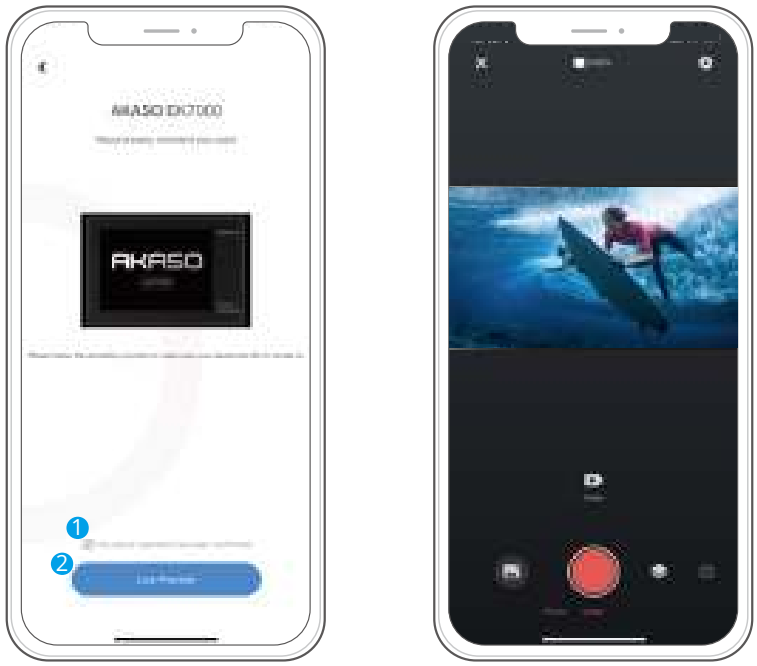


3. Open the AKASO GO App on your smartphone, then tap "Device" →" Add Device" to choose EK7000 from the options to establish a connection.





4. Tick "The above operation has been confirmed", and tap "Live Preview". Your camera will be connected to the AKASO GO App in seconds.



① If you failed to connect the camera's Wifi, please make sure you successfully turned on Wifi.

② While connecting the camera's Wifi, a "No Internet Connection" or "Weak Security" notification will appear since the phone's data is paused. However, you can proceed with the connection.

③ The screenshots and steps above are for your reference only.

Playing Back Your Content

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

Viewing Your Videos or Photos on the EK7000

1. On the preview screen, press the Up button to enter the playback screen.

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

2. Enter the Video or Photo set, press the Up / Down button to scroll through the video or photo files, and locate the file you want to view.
3. Press the Shutter/OK button to open the video or photo file in full-screen view. And it will play.
4. To return to the thumbnails screen, press the Mode button.
5. To exit the album, press the Up button.

Deleting Videos or Photos on Your EK7000

1. On the preview screen, press the Up button to enter the playback screen.

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

2. Enter the Video or Photo set, press the Up / Down button to scroll through the video or photo files.
3. Press the Up or Down button to locate the file you want to delete.
4. Press and hold the Shutter button for 3 seconds, the screen shows “Delete this file? No/Yes”.
5. Press the Up button followed by the Shutter button, and the selected file will be deleted.

Transferring Your Content

Transferring Your Content to a Computer

You can transfer your content to a computer via a USB cable or a card reader (sold separately). To transfer files to your computer via a USB cable, connect your camera to the computer's USB port using the USB cable. When prompted, select "USB Storage" as your connection preference. To transfer files to the computer using a card reader, insert a memory card into the card reader, then connect the reader to your computer's USB port. After successful transmission, you can transfer the files to your computer or delete selected files using File Explorer.

Downloading Your Content to a Smartphone

1. Open the AKASO GO App, then connect it to the camera.
2. Tap the "Album" icon in the bottom left corner to view videos and photos stored on the SD card.
3. Tap the Select icon in the upper right corner to select the video or photo you want to download.
4. Tap the Download icon in the bottom right corner and confirm the download.
5. Patiently wait for the download process to complete. The file will be successfully saved to your phone's photo album.

Note:

1. To access files captured by the camera, first allow the app to access your phone's album in Settings → AKASO GO → Photos → All Photos.
2. Please do not alter Wifi settings or disconnect from the app during the download progress.

Maintaining You Camera

1. For optimal audio performance, gently shake the camera or blow on the microphone to remove any debris from the microphone holes.
2. To clean the lens, use a soft, lint-free cloth to wipe it. Avoid inserting any foreign objects near the lens.
3. Do not touch the lens with your fingers.
4. Store the camera away from drops and bumps, as this may cause damage to the internal components.
5. Store the camera away from high temperatures and strong sunshine to protect it from damage.
6. Store the camera away from sharp objects and moisture-prone areas.

Maximizing Battery Life

A message appears on the touch display if the battery drops below 10%. If the battery reaches 0% while recording, the camera saves the file and powers off.
To maximize battery life, follow these guidelines when possible:

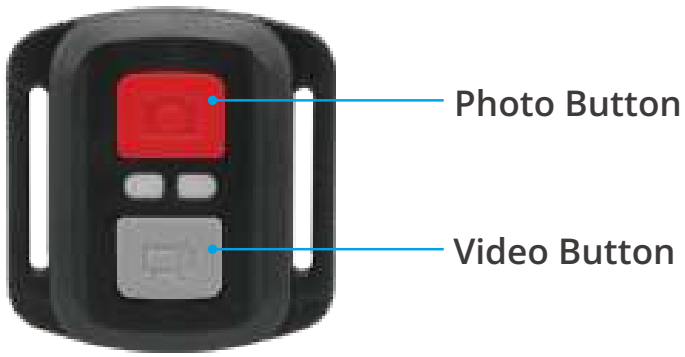
- Turn off Wireless Connections.
- Capture video at lower frame rates and resolutions.
- Use the Screen Saver setting.

Battery Storage and Operation

1. If storing for extended periods, maintain a battery charge of 50-60%. Charge every 3 months and discharge the battery every 6 months.
2. Do not store the battery with metal objects such as coins, keys, or necklaces. If the battery terminals come close to metal objects, a short circuit may cause fire.
3. Store the battery in dry areas, safe from potential physical damage caused by squeezing or collision.
4. Avoid using or storing the battery at high temperatures, such as in direct sunlight or a hot compartment. The battery will heat up, malfunction, or have its service life shortened in these conditions.
5. Avoid using or storing the battery in low-temperature environments, as this will shorten the battery life or cause it to malfunction.
6. Avoid environments with strong static or magnetic fields; these can compromise the battery's protective unit, posing safety risks.
7. If the battery emits an odor, overheats, changes color, gets distorted, or exhibits any anomalies, discontinue use and remove it immediately from the camera or the battery charger whether it is being used, charged, or stored.
8. Safely insulate used electrodes to prevent potential hazards.

Remote

When the camera is turned on, it will be automatically connected to the remote within a certain distance. You can control the camera to take photos or record videos using the remote.



Note: The remote is splashproof only.

Video

To record video, first make sure the camera is in Video mode, then press the Video button. The camera's working indicator will be flashing during video recording. To stop recording, press the Video button again.

Photo

To capture a photo, first make sure the camera is in Photo mode, then press the Photo button. The camera will emit a shutter sound indicating the completion of the shot.

Burst Photo

To capture burst photos, first verify the camera is in Burst Photo mode, then press the Photo button. The camera will emit a shutter sound indicating the completion of the shot.

Time Lapse

To capture time lapse photos or videos, first verify the camera is in Time Lapse mode, then press the Photo or Video button.

Replacing the CR2032 battery of the remote

1. Use a screwdriver to remove the 4 screws on the back cover of the remote, allowing you to open it.



2. Remove another 4 screws on remote's circuit board.



3. Lift the circuit board and slide out the battery, as shown below.

Note: Avoid rotating the circuit board to prevent reversing the remote control buttons.



4. Install the new battery, keeping the “+” pole facing up.
5. Install all 4 screws back onto the circuit board.

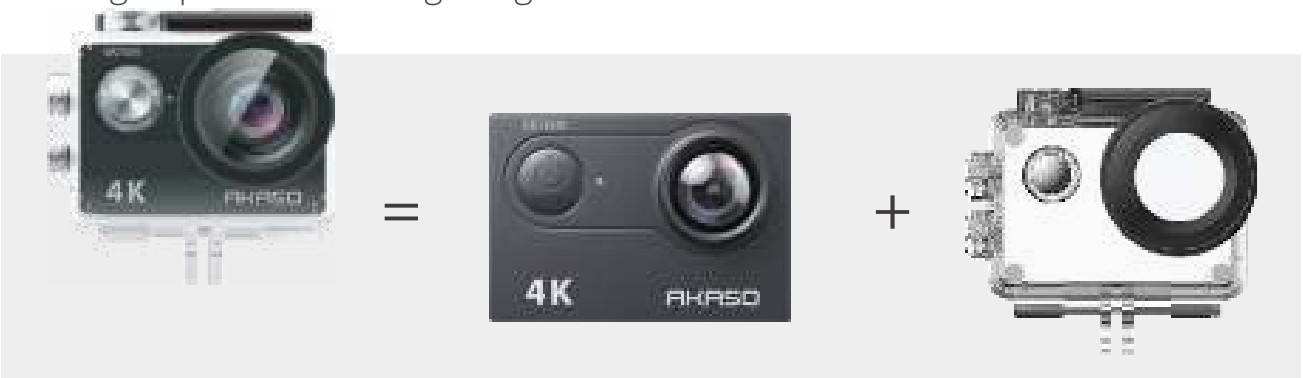


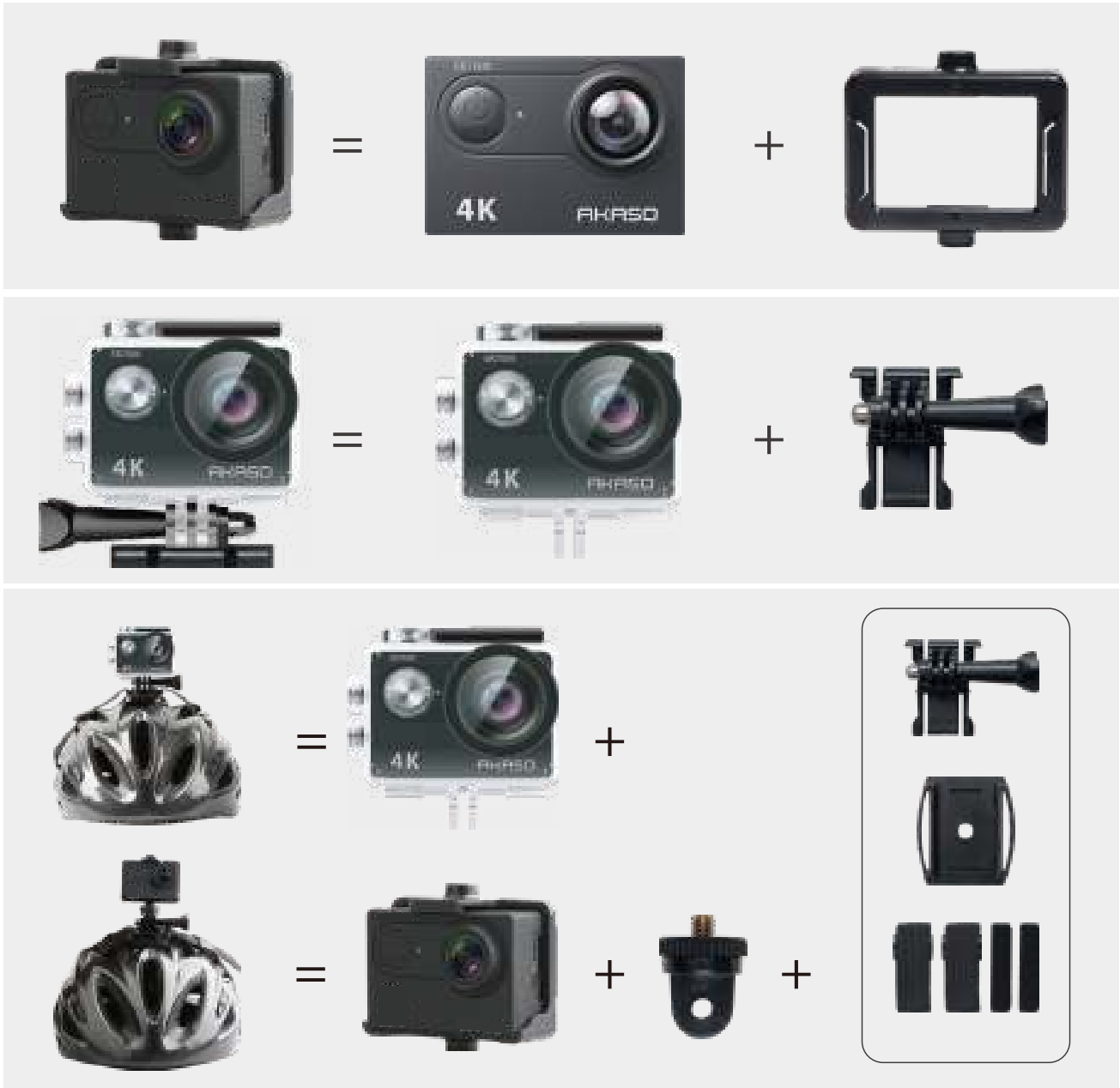
6. Install all 4 screws back into the cover.

Mounting Your Camera

Enhance your user experience by mounting the camera to various gear like helmets and more. Here’s a quick guide.

Note: If you plan diving with the EK7000 action camera, install it onto the waterproof housing to prevent it from getting soaked.




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Contact Us

(888) 466-9222 (US) cs@akasotech.com www.akasotech.com

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