

AKASO

BRAVE 4 PRO

ACTION CAMERA



USER MANUAL

V1.3

CONTENTS

What's in the Box	02
Your Brave 4 Pro	03
Getting Started.....	05
Overview of Modes.....	06
Video & Photo Setting.....	08
Camera Setting	12
Connecting to the AKASO GO App.....	14
Playing Back Your Data	14
Deleting Videos and Photos on Your Brave 4 Pro	14
Transferring Your Data	15
Maintaining Your Camera.....	16
Maximizing Battery Life.....	16
Adjusting the Zoom Level.....	16
Reformatting Your Memory Card	17
Battery Storage and Operation	17
Remote	18
Mounting Your Camera.....	21
Contact Us.....	22

WHAT'S IN THE BOX



AKASO Brave 4 Pro
x 1



Waterproof
Housing x 1



Battery Charger
x 1



Battery
x 2



USB Cable
x 1



Remote Control
x 1



Remote Control
Strap x 1



Protective
Backdoor x 1



Clip
x 1



Clip 2
x 1



Mount 1
x 1



Mount 2
x 1



Mount 3
x 1



Mount 4
x 1



Mount 5
x 1



Mount 6
x 1



Mount 7
x 1



Handle Bar /
Pole Mount x 1



Helmet Mounts
x 2



Spanner
x 1



Bandages
x 4



Tethers
x 5



Lens Cloth
x 1

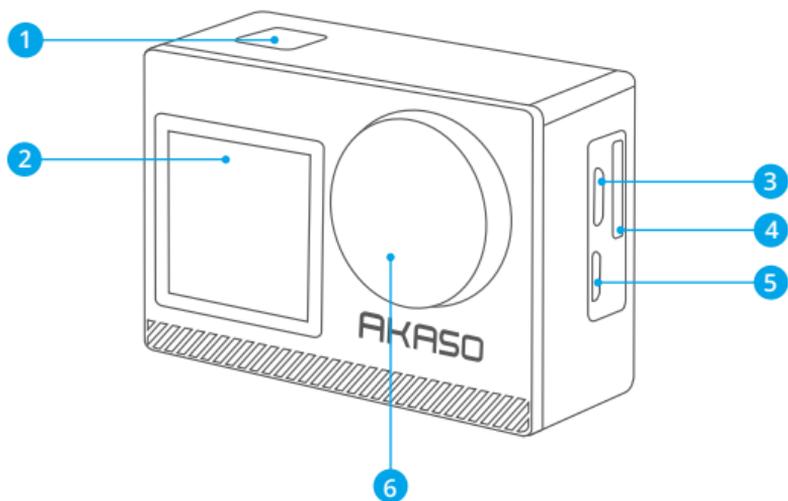


Double Sided
Tape x 2

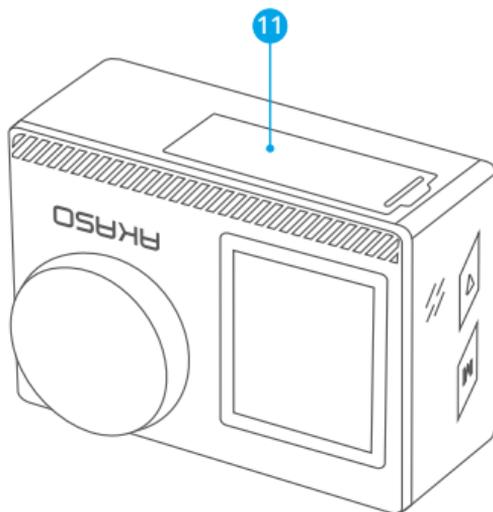
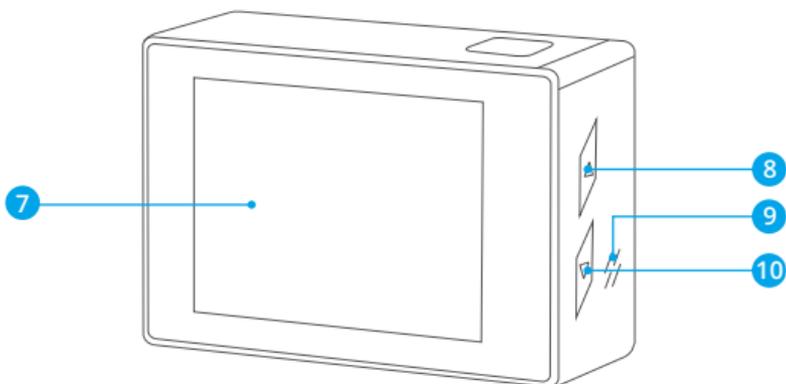


Quick Start
Guide x 1

YOUR BRAVE 4 PRO



- ① OK/Shutter/Power Button
- ② Front Screen
- ③ Micro USB Port
- ④ Memory Card Slot
- ⑤ Micro HDMI Port
- ⑥ Lens



7 Touch Screen

8 Mode/Up Button

9 Speaker

10 Down Button

11 Battery Cover

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

GETTING STARTED

Welcome to your AKASO Brave 4 Pro. To capture videos and photos, you need a memory card (not included).

MEMORY CARDS

Use brand name memory cards that meet these requirements:

- U3
- Capacity up to 128GB (FAT32)

Note:

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

QUICK BUTTON GUIDE

Power Button

Long Press: Power on/off

Short Press: Confirm

Up Button

Long Press: Switch the front/rear screen

Short Press: Playback

Down Button

Long Press: Turn on Wifi

Short Press: Setting

POWERING ON/OFF

To Power On

Press and hold the Power button for three seconds. The status light will be on and the camera will make a sound. When information appears on the display or the camera status screen, your camera is on.

To Power Off

Press and hold the Power button for three seconds. The camera will make a sound and the status light will be off.

SWITCHING MODE

To Switch Mode

Turn on camera, swipe up to switch mode, or tap "Video" on the screen to select modes.

To Exit Mode

Press the Mode button or click the "X" to exit Mode.

TURNING ON/OFF Wifi

To turn on Wifi

Turn on camera, long press the Down button to turn on Wifi. You can also swipe up to the mode menu to turn on Wifi.

To turn off Wifi

Press the OK button to turn off Wifi.

OVERVIEW OF MODES

There are 6 modes: Video, Photo, Burst Photo, Time Lapse Video, Timer Photo and Wifi. When the camera is on, tap the current mode at the bottom of the camera screen or swipe up to enter the mode menu.

Video Mode

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

In Video Mode, press Shutter button, the camera starts recording video. Press Shutter button again to stop recording. Click the  to adjust the zoom level.

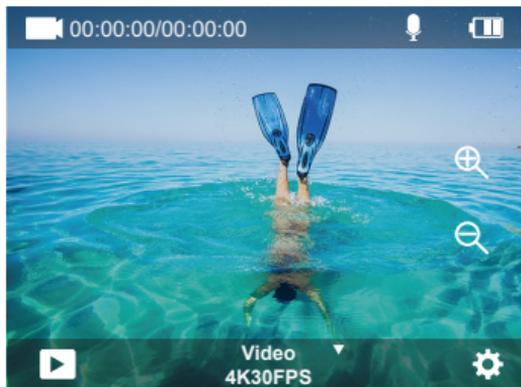
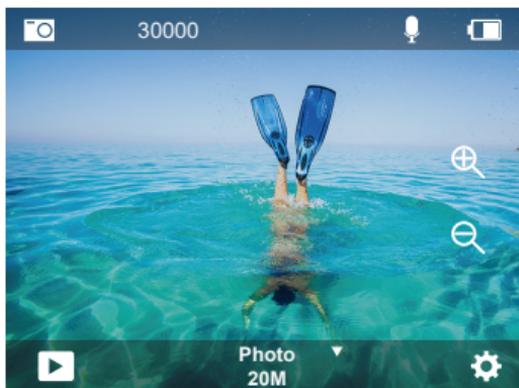


Photo Mode

Swipe right to switch to Photo Mode after you turn on camera.

In Photo Mode, press Shutter button, the camera takes a photo. Click the  to adjust the zoom level.



Burst Photo Mode

Swipe up to "Select Mode" or click "Video" to enter Burst Photo Mode.

In Burst Photo Mode, press the Shutter button, the camera will take 3/5/10 photos per second.

Time Lapse Video Mode

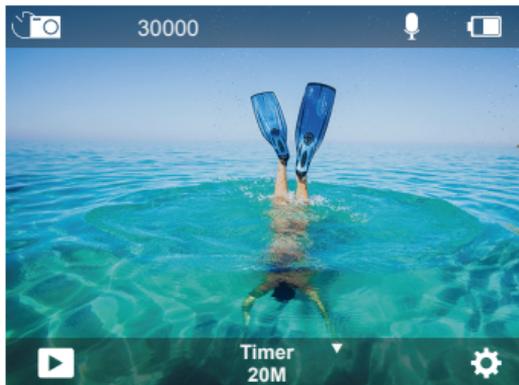
Swipe up to "Select Mode" or click "Video" to enter Time Lapse Video Mode.

In Time Lapse Video Mode, press the Shutter button to take a serial of Videos at 0.5s/1s/2s/5s/10s/30s/60s intervals.

Timer Photo Mode

Swipe up to "Select Mode" or click "Video" to enter Timer Photo Mode.

In Timer Photo Mode, press the Shutter button to take photos at 3s/5s/10s/20s/30s/60s timer.



Wifi Mode

When the camera is on, press and hold the Down button or enter the mode menu to turn on Wifi.

VIDEO & PHOTO SETTING

1. Video Resolution: 4K30FPS, 2.7K30FPS, 1080P120FPS, 1080P60FPS, 1080P30FPS, 720P240FPS, 720P120FPS, 720P60FPS, 720P30FPS

Default setting is 4K30FPS.

Note: When capturing video at high resolutions or high frame rates in warm ambient

2. Video Mode: Video, SlowMotion, Loop Record

Default setting is Video.

This setting is to select video, slow motion, loop record mode.

3. Image Stabilization: Off/On

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.

4. Angle: Super Wide, Wide, Middle, Narrow

Default setting is Super Wide.

The angle refers to how much of the scene (measured in degrees) can be captured through the camera lens. Super wide angle captures the largest amount of the scene, while narrow angle captures the least. This function is not available while image stabilization is on.

5. Diving mode: Off/On

Default setting is Off.

Diving Mode can compensate for the lack of yellow 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. Video Length: 2 Min/3 Min/5 Min

Default setting is 2 Min.

Using Loop Recording, you can continuously record but only save the moments you want to keep. For example, if you select a 5-minute interval, only the previous 5 minutes are saved when you press the Shutter button to stop recording. If you record for 5 minutes and do not press the Shutter button to stop recording and save, the camera will record a new 5-minute interval by recording over your previous 5 minutes of footage. When the memory card is full, the new files will cover the old one if loop recording is on.

7. Exposure: -3, -2, -1, 0, 1, 2, 3

Default setting is 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 display immediately shows you the effect on your image. If you change modes, the camera returns to using the entire scene to determine the correct level of exposure.

8. WDR: Off/On

Default setting is Off.

Wide Dynamic Range (WDR) retains a greater level of detail in the dark and bright areas of an image. The result is a photo that is properly exposed for both of these extremes. This setting is especially useful for scenes that are backlit or that have large bright regions and a dark foreground. WDR is available in Video mode only.

9. Metering: Average/Center/Spot

Default setting is average.

Choose the way your camera measures the light of the scene.

10. Sharpness: High/Middle/Low

Default setting is High.

Sharpness controls the quality of details captured in your video footage or photos. When you change this setting, the touch display immediately shows you the effect on your image.

11. Video Quality: High/Middle/Low

Default setting is Middle.

12. ISO: Auto/100/200/400/800/1600/3200/6400

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. In low light, higher ISO values result in brighter images, but with greater image noise. Lower values result in lower image noise, but darker images. When you change this setting, the display immediately shows you the effect on your image.

13. Date Stamp: Off/On

Default setting is On.

Turn on Date Stamp, this camera will add a date stamp to your videos and photos.

14. Motion Detection: Off/On

Default setting is Off.

Motion detection is the process of detecting a change in the position of an object relative to its surroundings or a change in the surroundings relative to an object.

Turn on Motion Detection and camera, the camera records video automatically when it detects a change in the position of an object relative to its surroundings.

15. Photo Resolution: 20MP, 16MP, 13MP, 8MP

Default setting is 20M.

16. Anti-shake: Off/On

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.

17. Burst Photo: 3P/s, 5P/s, 10P/s

Default setting is 3P/s.

Burst captures up to 10 photos in 1 second, so it is perfect for capturing fast-moving activities.

18. Time Lapse Interval: 0.5Sec/1Sec/2Sec/5Sec/10Sec/30Sec/60Sec

Default setting is 0.5Sec.

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.

Note: Time Lapse Video is captured without audio.

19. Photo Interval: 3Sec/10Sec/20Sec/30Sec/60Sec

Default setting is 3Sec.

Turn off the Self Timer, go back and you can see Time Lapse icon. Click it and enter the setting, you will find Photo Interval. This camera continuously takes pictures at the set time interval until it stops manually.

20. Self-Timer: Off/On

Default setting is On.

A Self Timer gives a delay between pressing the shutter release and the shutter's firing. It is most commonly used to let photographers to take a photo of themselves (often with family).

CAMERA SETTING

1. Special Effects: Normal/Black and White/Negative/Retro/Red/Green/Blue

Default setting is Normal.

2. Power Frequency: Auto/50 Hz/60 Hz

Default setting is Auto.

3. Language: English/Français/Deutsch/Español/Italiano/日本語/한국어/简体中文

Default setting is English.

4. Date & Time: YY/MM/DD

When the camera is connected to the AKASO GO App, its date and time will be synchronized with that of your phone.

Note: If the battery is removed from the camera, the date and time will be reset automatically.

5. Sounds:

Shutter: Off/On Beep: Off/On

Volume: 0/30/70/100 Boot: Off/On

Default setting is on.

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

This option sets the volume of your Brave 4 Pro's alerts.

6. Drive Mode: Off/On

Default setting is Off.

7. **Upside Down:** Off/On

Default setting is Off.

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

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

8. **Microphone:** Built-in/External

Default setting is Built-in.

9. **Screen Saver:** Unlimited/30S/1Min/2Min

Default setting is 1 Minute.

Turn off the display after a period of inactivity to save battery life. To turn on the display again, press any button on the camera.

10. **Auto Power Off:** Unlimited/3 Min/5 Min/10 Min

Default setting is 3 Min.

Power off your Brave 4 Pro after a period of inactivity to save battery life.

11. **Format**

To keep your memory 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, press the Down button to enter camera settings, then find and tap on the Format option to complete formatting.

12. **Reset:** Confirm/Cancel

This option resets all settings to their default values.

13. **Device Info:**

Brave 4 Pro Version: FX9307I-V1.0 4-20-2021

You can check the model, version and updated time of your Brave 4 Pro.

CONNECTING TO THE AKASO GO APP

Please download AKASO GO app to your mobile device from the Apple App Store or Google Play first.

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

1. Turn on the camera, then long press the down button to turn on Wifi. You can also swipe up to the mode menu to turn on Wifi.
2. Turn on your phone's Wifi to enter the Wifi settings, find the camera Wifi AKASO-Brave 4 Pro-B1-XXXX in the list and tap on it, then enter the password 1234567890 to connect.
3. Open the AKASO GO app, tap "Device" → "Add device", choose "Brave 4 Pro".
4. Tick "The above operation has been confirmed", and click "Live Preview", your camera will connect with the AKASO GO app.

PLAYING BACK YOUR DATA

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

You can also play back content by inserting the memory 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 BRAVE 4 PRO

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

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

DELETING VIDEOS AND PHOTOS ON YOUR BRAVE 4 PRO

1. Enter playback mode.
2. Tap video playback icon  or file icon .
3. Tap Forward or Backward icon to locate the video or photo file you want to delete.
4. Tap . The screen shows "Delete this file? Yes/No".
5. Tap "Yes", the selected file will be deleted.

TRANSFERRING YOUR DATA

TRANSFERRING YOUR DATA TO A COMPUTER

To play back your video and photos on a computer, you must first transfer these files to a computer. Transferring also frees up space on your memory card for new content. To offload files to a computer using a card reader (not included) and your computer's file explorer, connect the card reader to the computer, then insert the memory card. You can then transfer files to your computer or delete selected files on your card. Note that you must use a card reader to offload photos or video files.

TRANSFERRING YOUR DATA TO SMARTPHONE OR TABLET

1. Open the AKASO GO App. Connect the camera with the App.
2. Tap the playback icon in the bottom left corner to see all the videos and photos.
3. Tap the  icon and select the photo or video you want to download and then tap the Download icon at the bottom right corner.



Note:

1. If you cannot offload videos or photos to your iPhone, please enter Settings → Privacy → Photos, find "AKASO GO" and select "All Photos".
2. iPhone does not allow you to download 4K or 2.7K videos via the app. Please offload 4K or 2.7K videos via card reader.

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. Don't touch the lens with fingers.
4. Keep the camera away from drops and bumps, which may cause damage to the parts inside.
5. Keep the camera away from high temperature and strong sunshine to avoid being damaged.

MAXIMIZING BATTERY LIFE

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 Screen Saver settings.

ADJUSTING THE ZOOM LEVEL

The Zoom function lets you adjust how close or far away the subject appears in your photo. The default is no zoom. Zoom function is available in Video, Burst Photo and Timer Photo modes. Brave 4 Pro can zoom up to 5X.

1. Turn on Brave 4 Pro.
2. Enter Video or Burst Photo, Timer Photo Mode.
3. Click the  to adjust the zoom level.

REFORMATTING YOUR MEMORY CARD

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

1. Press and hold the Power button to turn on your Brave 4 Pro.
2. Press the Down button or tap the settings icon on the screen to enter Camera Settings.
3. Find the Format option in the settings, then tap on it.
4. The screen shows "Storage Space: xxG/xxG and Format/Cancel."
5. Press the OK button or tap "Format", the screen shows "Formatting..." and "Format successfully". Then you format your memory card successfully.

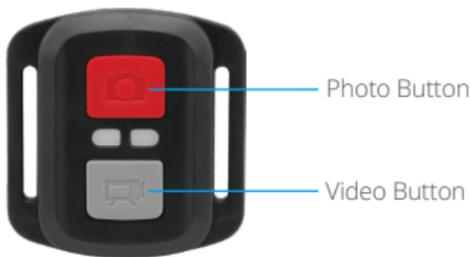
BATTERY STORAGE AND OPERATION

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 which caused by liquid inside the body 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 the battery if it has been damaged - for example, if cracked, punctured or damaged by water. Disassembling or puncturing the battery can cause an explosion or fire.

REMOTE



Splashproof only, not waterproof

VIDEO

To record video, put the camera in Video Mode.

To start recording:

Press the Grey Video Button. The camera will emit one beep and the camera light will flash while recording.

To stop recording:

Press the Grey Video Button again. The camera will emit one beep, the camera light will stop flashing and the camera will stop recording.

PHOTO

To capture a photo, put the camera is in Photo Mode.

To take a photo:

Press the Red Photo Button. The camera will emit a camera shutter sound.

CR2032 BATTERY REPLACEMENT FOR BRAVE 4 PRO REMOTE

1. Use a 1.8mm Phillips tip screwdriver to remove the 4 screws on the back cover of the remote, allowing you to open it.



2. Remove the other four screws in the PCB board.



3. Lift the PCB board and slide out the battery, as shown in the picture.

Note: Do NOT rotate the PCB board to avoid reversing the camera and video button functions.



4. Install the new battery, keeping the "+" pole facing up.
5. Install all 4 screws back into the PCB board.



6. Install all 4 screws back into the cover.

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.

Tel: (888) 466-9222 (US)

Email: cs@akasotech.com

Web: www.akasotech.com