AKASO
AKASO 360

360 Action Camera

User Manual

V1.0

READING TIPS

Read Before First Use

Please read the following document carefully for full understanding and reasonable and safe usage of the AKASO 360:

1. AKASO 360 User Manual

2. Quick Start Guide of AKASO 360

Please read the Quick Start Guide of AKASO 360 and AKASO 360 User Manual carefully, and watch the tutorial videos from the AKASO 360 app.

Download AKASO 360 App

To use this product, you will need to download and install the AKASO 360 App. Please search "AKASO 360" in the App store on your mobile device or scan the following QR code to install the App.

QR code

Note: The AKASO 360 App supports iOS 13.0 or above, or Android 8.0 or above versions.

ABOUT THE CAMERA

1 Power/Mode Button

2 Shutter Button

3 Speaker

4 Microphone

5 Lens

6 Touchscreen

7 Positioning Point for Lens Guard

8 USB-C Port

9 Battery

10 MicroSD Card Slot

11 Battery Cover

12 Battery Cover Release Button

13 LED Status Indicator

14 1/4" Mounting Point

PREPARATIONS BEFORE USE

MicroSD Card

You'll need to prepare a microSD card for saving videos and photos. The microSD card must meet the following requirements:

1. Has a speed level of UHS-I V30, UHS-I Class 3 (U3), or higher

2. Support a maximum capacity of 256 GB

3. File system: exFAT

Note:

1. Please keep your hands clean and dry when handling the microSD card and do not touch its metal part. If there is any dust or dirt on the microSD card or camera, you can use a soft cloth or eraser to wipe it. Avoid using chemical or liquid cleaners to prevent potential damage to the camera and microSD card.

2. Do not remove the microSD card when recording videos, taking photos or playing back, otherwise the file may be lost or the camera may be damaged.

3. Do not format the microSD card or modify the files when it is inserted into other devices. Before transferring files to other devices, it is recommended to back up the files first to avoid file loss or damage.

4. The performance of the microSD card will gradually deteriorate over time and affect the camera's function of saving media files. If any problem occurs, please replace the card with a new one.

5. Regularly formatting the microSD card helps to keep the favorable status. However, formatting the microSD card will erase all files on the card, so please be sure to back up the files in advance.

6. If necessary, please refer to the manufacturer's guide of the microSD card for information on the acceptable temperature range and other details.

Install MicroSD Card and Battery

1. Slide the release button on the battery cover and the battery cover will open automatically.

2. Install the microSD card.

3. Insert the battery.

4. Close the battery cover and slide back the release button to lock the cover.

Charging

1. Open the USB-C cover. Charging the camera by connecting it to the USB charger (NOT Included) with the included USB-C cable. When charging the camera is off and being charged, the status indicator will be solid red, and it will turn off once the camera is fully charged.

2. Once the charging is complete, please disconnect the charging cable and securely close the USB-C cover. Before using the camera, please make sure the USB-C cover is closed properly.

Update Camera's Firmware

To get the latest features and best performance from your AKASO 360, please make sure the camera is using the latest version of firmware.

Update with the AKASO 360 App

1. Download the AKASO 360 App from the App store on the mobile device.

2. Follow AKASO 360 App's instructions to connect the camera to your mobile device. If a new camera firmware is available, the AKASO 360 App will provide the installation guide for you.

Update with the MicroSD Card

1. Please visit AKASO official website and download the latest firmware of AKASO 360.

2. Download the firmware to a microSD card,

3. Insert the microSD card into the camera and make sure the camera is turned off.

4. Power on the camera, the blue and green status indicator lights will flash alternately, indicating that the camera is being upgraded.

5. After the upgrade is complete, the camera will automatically restart.

Note:

1. Before upgrading, please make sure the battery level of the AKASO 360 is higher than 50%. You are recommended to use a fully charged battery for upgrading.

2. Please prepare a microSD card for upgrading.

3. If the upgrade fails, please contact us via cs@akasotech.com.

OPERATIONS

Buttons

Power/Mode Button

Power On

Press the Power/Mode Button to turn on the camera.

Power Off

Long press the Power/Mode Button for about 2s to turn off the camera.

Switch Modes

In preview, you may press the Power/Mode Button to switch the shooting modes.

Shutter Button

In preview, you may press the Shutter Button to take photos or start/stop the video recording.

Power On/QuickCapture

If the QuickCapture is off, press the Shutter Button to turn on the camera

If the QuickCapture is on, press the Shutter Button to turn on the camera. The camera will start the video recording automatically. Press the Shutter Button to stop the video recording. And the camera will turn off without any operations.

Status Indicators

AKASO 360 has two LED status indicators that indicate the same information. You may turn on/off the indicators in the Control Center.

Indicator Status	Camera Status
Green On	Standby
Green flashes twice quickly	Camera starting up
Blue flashes 1 time	Taking photo
Blue flashes slowly	Video recording
Blue flashes from slowly to quickly	Timer counting down
Blue and green flash alternately	Upgrading
Red flashes twice quickly	Camera shutting down
Red flashes slowly	Low Battery
Red flashes quickly	Camera error
Red On	Charging when the camera is off

Touchscreen

1 Swipe down from the top

Access to Control Center.

2 Swipe from left to right

Access to Album.

3 Swipe from right to left

Access to Image Settings.

4 Swipe up from the bottom

Access to Shooting Specifications.

Preview

1 MicroSD card remaining capacity

2 Battery status

3 Current shooting mode

4 Shooting specifications

5 360 video/single lens video switch

6 Timer for photo

7 Preview direction switch

Shooting Modes

Tap the shooting mode icon, then swipe to select a shooting mode.

Shooting Modes	Description
Video	Record 360 videos up to 5.7K@30fps. Support switch to single lens videos up to 2.8K@60fps.
Timelapse	Record timelapse (speed up) 360 videos up to 5.7K. Support switch to single lens videos up to 2.8K.
Loop Recording	Record continuously and save only the last fixed duration 360 videos up to 5.7K@30fps. Support switch to single lens videos up to 2.8K@60fps.
Photo	Capture single 360 photos up to 72MP. With a timer option.
DNG8	Capture 8 DNG 360 photos up to 18MP in one shot, which can be merged into one super high-quality 360 photo using AKASO 360 Studio. With a timer option. Suitable for taking landscape photos.
AEB (Auto Exposure Bracketing)	Capture multi 360 photos up to 18MP with different exposure settings in one shot, which can be merged into one high-quality 360 photo with wide dynamic range using AKASO 360 Studio. With a timer option. Suitable for taking landscape photos.
Interval	Capture a series of 360 photos up to 72MP with the interval settings. With a timer option.
TimeFusion	Capture two 360 photos up to 72MP with Lens 1 and Lens 2 in sequence in one shot, which can ne merged into a magic 360 photo using AKASO 360 app/AKASO 360 Studio. With a timer option.

Control Center

1 Speaker Volume

2 Screen Orientation Lock

3 Screen Saver

4 Screen Brightness

5 Status Indicators On/Off

6 Settings Menu

Settings Menu

Items	Description
Wireless Connection	Tap to view camera's hotspot information, set the hotspot frequency band and reset the hotspot password.
Lens Guard	Turn on when using the lens guards to optimize the stitching quality. Turn on when NOT using the lends guards.
Auto Stop Rec Temp	The camera will stop recording at set temperature level to avoid overheating.
Mic Gain	Set the gain level for the camera's built-in microphones.
Anti-Flicker	Set the anti-flicker frequency according to the power grip of your local region.
Auto Lock Screen	Set the time for the camera to automatically lock and turn off the screen without any operation.
Rec Lock Screen	Set the time for the camera to automatically lock and turn off the screen without any operation during recording.
Auto Shutdown	Set the time for the camera to automatically shut down without any operation.
Gyro Calibration	Calibrate the gyroscope of the camera.
Language	Set the language of the camera.
Format	Format the microSD card. NOTE: It will erase all the files. Please be sure to back up the files you need before format the card.
Reset	Restore the factory settings of the camera.
About Camera	Display the information of the camera.
QuickCapture	Off: press the Shutter Button to turn on the camera On: press the Shutter Button to turn on the camera. The camera will start the video recording automatically. Press the Shutter Button to stop the video recording. And the camera will turn off without any operations.

Album

Swipe up or down to view the previous or next media flile.

Swipe from the bar icon to left to exit the album page.

Image Settings

1 Auto Exposure Mode

The camera will automatically adjust the shutter speed and ISO value.

2 Exposure Value Settings

You may manually adjust the exposure value to achieve overexposure or underexposure.

3 Manual Exposure Mode

You may precisely control the shutter speed and ISO value of the camera.

4 White Balance Settings

AWB (Auto White Balance), the camera will automatically capture the images in accurate color tones.

Or you may manually adjust the white balance level. A higher value will result in warmer tones; a lower value will result in cooler tones.

5 Color Settings

6 Format Settings

For shooting modes Photo, Interval, AEB, TimeFusion, you may select the photo format.

Connect to the AKASO 360 App

You can use the AKASO 360 app to control the camera for photo taking, video recording, file transferring and editing.

Steps for connection:

1. Power on the AKASO 360 and turn on the Camera hotspot.

2. Turn on the Wi-Fi and Bluetooth of your mobile device.

3. Open the AKASO 360 app, click the "Device Connection" icon and follow the instructions to connect the camera.

Note:

If the camera fails to connect to the AKASO 360 App, please follow these steps:

1. Make sure the Wi-Fi and Bluetooth of the mobile device are turned on.

2. Make sure the AKASO 360 app is updated to the latest version.

3. Make sure the AKASO 360 firmware is updated to the latest version.

4. For Android devices, please ensure the AKASO 360 app has the following permissions:

4.1 Bluetooth: Required to obtain the device information of AKASO 360 to establish the wireless connection.

4.2 WLAN: Required to establish the Wi-Fi connection between Android device and AKASO 360.

4.3 Location: Required to ensure the Android device can detect the nearby AKASO 360.

5. For iOS devices, please ensure the AKASO 360 app has the following permissions:

5.1 Bluetooth: Required to obtain the device information of AKASO 360 to establish the wireless connection.

5.2 WLAN: Required to establish the Wi-Fi connection between iOS devices and AKASO 360.

5.3 Local network: Required to ensure iOS devices and AKASO 360 are communicating under the same network.

5.4 Location: Required to ensure the iOS devices can detect the nearby AKASO 360.

6. Ensure the camera hotspot of AKASO 360 is turned on.

Remote Control Interface

1 Return to the app homepage

2 Video resolution and frame rate

3 Color settings

4 White balance

5 Camera settings

6 Battery status

7 MicroSD card remaining capacity

8 Exposure status

9 Current Auto Stop Rec Temp settings

10 Hide the settings

11 Projection mode

12 Playback

13 360 video/single lens video switch

14 Shutter button

15 Timer for photo

16 Exposure mode

17 Shooting modes

File Transfer

Transfer Files to Mobile Devices

After connecting the AKASO 360 and the AKASO 360 app wirelessly, you may click the Playback icon or Album icon in the AKASO 360 app to view photos and videos. Click the Download button to download the files to your mobile device. These downloaded files can be edited in the AKASO 360 App and shared on social media platforms.

Transfer Files to The Computer

Turn on the AKASO 360, then you can use a USB-C cable to transfer your files from the camera to the computer. The camera cannot be used for shooting while transferring files.

Note:

1. Please do NOT turn off the camera when transferring files.

2. If the data transfer is interrupted, please disconnect and reconnect the USB cable to the computer.

MAINTENANCE

Camera Maintenance

1. Dropping or external impact may damage AKASO 360.

2. Keep the lens from scratching or cracking.

3. If the glass of lens is damaged, handle it carefully to avoid injury.

4. Keep AKASO 360 away from dust and sand during use.

5. Do not poke the USB-C port or microSD card slot with sharp objects.

6. Avoid placing AKASO 360 in extremely cold or hot environments. Extreme temperatures can shorten battery life or cause temporary malfunction.

7. Do not use AKASO 360 during thunderstorms.

8. Do not disassemble or repair AKASO 360 by yourself.

9. Keep the camera away from magnets, motors, or other devices that produce strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunction or damage recorded data.

Extending Battery Life

1. Record videos at lower frame rates and resolutions.

2. Enable Auto Shutdown and QuickCapture.

3. Use an external USB power source to power the camera during use.

4. Recharge the battery promptly when low. Long term (over 4 months) storage at low charge levels can affect battery lifespan.

Battery Storage

1. If AKASO 360 will not be used for over 10 days, charge or discharge the battery to 40%-60% before storing it to extend battery lifespan.

2. Extreme temperatures may temporarily shorten battery life or cause the camera to malfunction. Avoid rapid changes in temperature or humidity to prevent condensation on or inside the camera.

3. Do not use external heat sources such as microwaves or hair dryers to dry the camera. Damage caused by liquid contact to the camera or battery is not covered under warranty.

4. Do not store the battery with metal objects such as coins, keys, or necklaces. Contact between the battery terminals and metal objects may cause a fire.

SPECIFICATIONS

General	
Dimensions	109.8x46.9x30.8mm
Weight	180g
Touchscreen	2.29" 480x800
Microphone	2
Speaker	1
Wi-Fi	2.4GHz/5GHz 802.11 a/b/g/n/ac
Bluetooth	BLE 4.2
MicroSD Cards	Up to 256GB Required card speed level of UHS-I V30, UHS-I Class 3 (U3), or higher
File System	exFAT
Camera	
Sensor	1/2" 48MP sensor
Aperture	F/2.25
Focal Length (35mm Equivalent)	7.6mm
Exposure Value	±2 EV
ISO Range	100-6400
Shutter Speed	Photo: 1/8000s to 60s Video: 1/8000s to the limit of frames per second
White Balance	2500K-8000K
360 Photo Resolution	72MP 18MP
360 Video Resolution	5.7K@30/25/24fps 4K@60/50/30/25/24fps
Single Lens Video Resolution	2.8K@60/50/30/25/24fps FreeFrame Single Lens Video, FOV and aspect ration with option to be adjusted in AKASO 360 app/AKASO 360 Studio
Photo Modes	Photo, DNG8, AEB, Interval, TimeFusion
Video Modes	Video (360 Video & Single Lens Video), Timelapse, Loop Recording
Photo Format	JPG, JPG+DNG
Video Format	MP4
Audio Recording	AAC, 48KHz
Battery	
Rated Capacity	1350mAh
Rated Energy	5.22Wh
Rated Voltage	3.87V

Run Time	5.7K@30fps: 60 minutes Tested in a lab environment.
Operation Temperature	0℃ to 40℃ (32° to 104° F)
Charging Temperature	5℃ to 40℃ (41° to 104° F)

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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.

IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux normes CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est assujetti aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris celles qui peuvent entraîner un fonctionnement indésirable de l'appareil.

This content is subject to change without prior notice.

For any inquiries about AKASO products, please feel free to contact us.

We will respond within 24 hours.

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