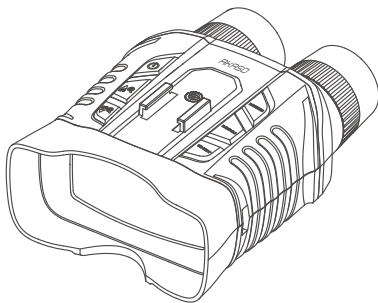


AKASO

FULL COLOR

Night Vision Device

Seemor-200



USER MANUAL

V1.0

Contents

Important Messages	01	>>
1. Specifications	02	>>
2. Packing List	03	>>
3. Your Seemor-200 Night Vision Goggles	04	>>
4. First Use	05	>>
4.1 Inserting the MicroSD Card	05	
4.2 Installing the Battery	05	
4.3 Charging the Night Vision Goggles	05	
4.4 Installing the Night Vision Goggles	06	
5. Getting Started	07	>>
5.1 Powering On and Off	07	
5.2 Preview Screen	07	
5.3 Button Operation Overview	08	
5.4 Color Mode Switching	09	
5.5 Adjusting the Focal Length	09	
5.6 Using the Level Feature	10	
5.7 Using the Shutter Button	10	
6. Using the AKSAO AURA App	12	>>
6.1 Downloading the AKASO AURA App	12	
6.2 Connecting to the AKASO AURA App	12	
6.3 Capturing with the App	15	
6.4 Playing Back Videos on the App	16	
6.5 Downloading Videos on the App	17	
6.6 Updating the Firmware on the App	18	
7. Setting Up Your Seemor-200	22	>>
8. Q & A	27	>>
9. Contact Us	28	>>

Important Messages

Congratulations on your new AKASO night vision goggles! You must be excited to use your new goggles, but please spend some time familiarizing yourself with this manual first so that you get the most out of its features and use it safely.

1. This device is a precision instrument. Safeguard it from drops or impacts to prevent damage.
2. Store this product away from devices or objects with strong magnetic fields or power, like motors and magnets.
3. Store this device away from sharp objects and moisture-prone areas.
4. Ensure this device operates within its recommended temperature range. Avoid leaving it at high or low temperatures for extended periods, as this can reduce its lifespan.
5. Do not charge this device for long periods of time. Keep it away from kids and pets to prevent accidents.
6. Cease using this product if it emits smoke, odors, changes color, distorts, or shows any other anomalies.
7. Do not attempt to dismantle, repair, or modify this product on your own.
8. Always ensure that the card slot or charging port remains free from dust or smudges to prevent any abnormalities, such as poor connections.
9. Use only the provided USB cable. Avoid damaging or altering the USB cable, and refrain from subjecting it to heat, forceful pulling, or bending, as it may pose fire hazards or electrical shocks.
10. Please read this manual carefully before using or installing the night vision goggles, and keep it for future reference. It can help answer any questions or address any difficulties you may encounter while using this product.



1. Specifications

Product Name	Seemor-200
Dimensions	16.2*12*6.9 cm
Weight	500 g
Zoom	16 x
Wifi	2.4G Wifi
Video & Encoding Format	MP4 / H.265
Video Resolution	4K / 2K
Color Mode	AI Full-Color Mode & Infrared Mode
Sensor	1/1.79" CMOS
FOV	D17.5°, H14°, V11°
Lens	F1.2
Screen	800*480 3-inch LCD
Number of Microphone	1
Gyroscope	6-axis
Compass	Support
Battery Capacity	3250 mAh
Runtime	4 hours per battery. Note: The actual battery life may vary based on the environment and usage.
Operating Temperature	-20°C ~ 60°C
USB Port	Type-C
Memory Capacity	Up to 512GB
WDR	Support



2. Packing List



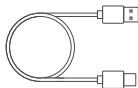
Seemor-200 × 1



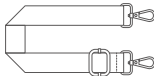
Battery × 2



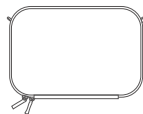
Battery Charger × 1
(Optional)



Type-C Charging
Cable × 1



Neck Strap × 1



Carrying Case × 1

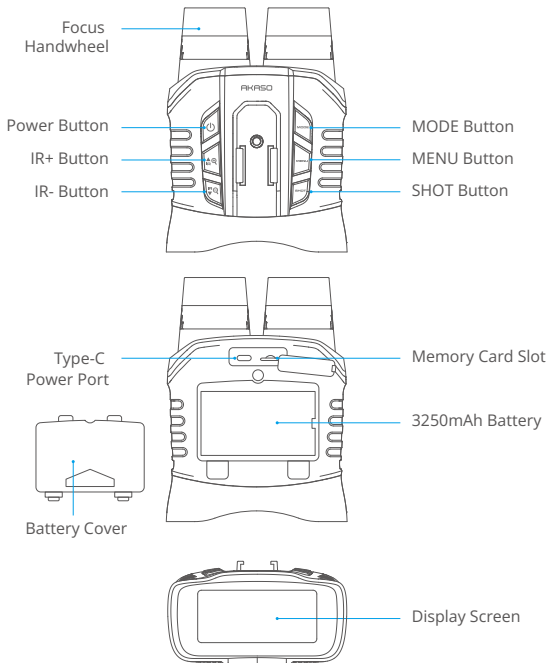


User Manual × 1

Note: The cable is for charging purposes only.



3. Your Seemor-200 Night Vision Goggles



Note: Always ensure the silicone USB cover is tightly sealed to prevent any leakage after charging or inserting the memory card.

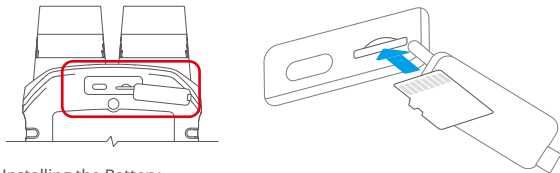


4. First Use

4.1 Inserting the MicroSD Card

To insert the memory card, first press down the buckle of the charging cover to reveal the memory card slot, then insert the memory card in the orientation shown and close the cover.

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



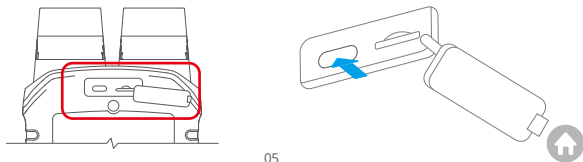
4.2 Installing the Battery

Press down the buckles of the battery cover to reveal the battery slot, then place the battery into its slot and close the battery cover properly.

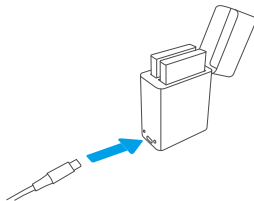
4.3 Charging the Night Vision Goggles

To charge the goggles, press down the buckle of the charging cover to reveal the Type-C power port. Connect the Type-C charging cable to the port, and then plug the goggles into a USB outlet or a USB port on a computer.

Note: The goggles' indicator light will flash while charging and remain solid when fully charged. If you prefer not to have the indicator visible, you can easily disable it in the system settings. However, the indicator will still flash while charging even when the goggles are powered off, regardless of the "Indicator Light" setting.



You can also charge the battery separately using the battery charger. This allows you to replace the depleted battery with a fully charged one, ensuring uninterrupted capture and meeting your needs for extended usage.

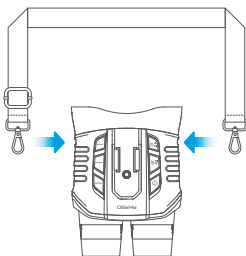


Tips: Be sure to insert the battery into the battery charger as illustrated; the battery charger's indicator light will appear red while charging and turn blue when fully charged; you can purchase some batteries as a reserve.

4.4 Installing the Night Vision Goggles

You can hang the goggles around your neck. To do this, simply attach the provided neck strap to the two small hooks on the goggles and wear them around your neck for close observation.

Tip: Please ensure that the strap is securely attached to the goggles to prevent accidental dropping or damage.



You can also mount the night vision goggles to different places using compatible accessories thanks to the two 1/4-inch nuts. This allows you to unleash your creativity to better capture any frame-worthy moment.

5. Getting Started

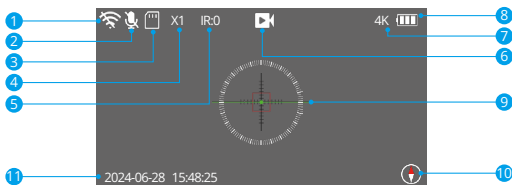
5.1 Powering On and Off

With the night vision goggles turned off, press and hold the Power button for two seconds to power on.

With the night vision goggles turned on, press the Power button to turn off the display; press and hold the Power button for two seconds to turn off the device.

Tip: Pressing the Power button when the battery has just been installed also switches on the device.

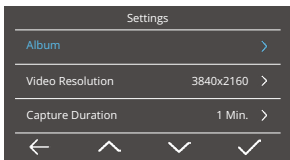
5.2 Preview Screen



- | | | |
|-------------------|----------------------|----------------|
| 1 Wifi | 5 IR (0~7) | 9 Level |
| 2 Audio Recording | 6 Recording Status | 10 Compass |
| 3 Memory Card | 7 Current Resolution | 11 Date & Time |
| 4 Zoom Level | 8 Battery Status | |

On the preview screen, press the SHOT button to start recording video. The recording time will be displayed on the top of the screen. To stop recording, press the SHOT button again. The video file will be automatically saved to the device album which can be viewed via **System Settings → Album**.





Tips:

- ① When the level setting is off, the Level icon will disappear.
- ② When the compass setting is off, the Compass icon will disappear.
- ③ Setting the video resolution will restart the device.

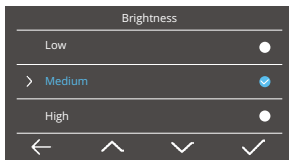
5.3 Button Operation Overview

Power Button 	Power-off: Press and hold for 2 seconds to turn on the device. No operation is activated with a single press. Power-on: Press and hold for 2 seconds to turn off the device; press to turn off the display.
IR+ /IR- Buttons 	In IR mode, press and hold for 2 seconds to adjust the IR value ranging from 0 to 7; press to adjust the zoom level ranging from 1 to 16. With IR mode disabled, use them as the up and down buttons.
MENU Button MENU	Press to enter or exit the system settings screen.
MODE Button MODE	Press to toggle between video and photo modes. Press and hold to toggle between AI full-color and IR black-and-white modes.
SHOT Button SHOT	Press to start or stop recording/take a photo/confirm.

5.4 Color Mode Switching

Seemor-200 offers AI full-color and Infrared black-and-white modes. By switching between the two modes, Seemor-200 can not only accommodate a wide range of lighting conditions but also enhance the visual experience for you. With AI full-color mode enabled, Seemor-200 can restore 99% of colors, allowing you to capture video with stunning clarity and authentic color, even in low-light conditions or in complete darkness. With IR black-and-white mode enabled, you can press and hold the IR + or IR - button to adjust the amount of light entering the IR fill light from 0 to 7. Choosing the "0" option indicates that the IR fill light is turned off.

You can also adjust the LCD screen brightness in back-list conditions for better clarity. Options include Low, Medium (default), and High.



5.5 Adjusting the Focal Length

The focus handwheel is designed with a rotatable feature for manual focusing. This allows you to adjust the focal length based on your observation position, ensuring optimal visual clarity.

We recommend you minimize the focal length after using this device. A longer focal length allows you to zoom in on larger scenes, but is also associated with a smaller shooting angle and vice versa. This device supports up to 16x zoom, allowing you to adjust the focal length according to your specific needs.

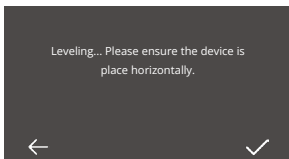
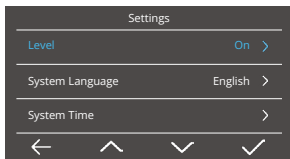
Tip: You can press the IR + button or IR - button to adjust the focal length in both AI full-color and IR black-and-white mode.

5.6 Using the Level Feature

The level feature ensures accurate alignment of the night vision goggles, helping you maintain stability and alignment, especially in low-light conditions. To use this feature, follow the steps below:

- ① Place the night vision goggles horizontally before leveling.
- ② Press the MENU button to enter the system settings screen.
- ③ Press the IR- button to locate the "Level" option.
- ④ Press the SHOT button to enter the setting screen and select the "On" option.
- ⑤ Press the SHOT button to complete the level calibration progress.
- ⑥ Press the MENU button to return to the preview screen.

Tip: With this feature enabled, the level icon will appear on the screen to detect device tilt. If you notice any orientation issues, go to the system settings to manually recalibrate the tilt.



5.7 Using the Shutter Button

Seemor-200 is turned on in Video mode by default. In Video mode, press the SHOT button on the device to start recording video at the set capture duration. To stop recording, press the SHOT button again.

To take a photo, switch to Photo mode by pressing the MODE button, then press the SHOT button to complete the photo-capturing progress.

Video and photo files will be saved to the corresponding folder. To view these files, press the MENU button to access the device's **System settings** → **Album**. You can also choose to delete any file you do not like.

Tip: The deleted file can't be recovered.

6. Using the AKASO AURA App

The AKASO AURA app works with the Seemor-200 night vision goggles to bring you a better user experience. Once you have connected the app to your Seemor-200 via its built-in Wifi, you can view the device's real-time status, preview and download the recorded videos or photos using your phone. You can also control your Seemor-200 to capture via the phone app.

6.1 Downloading the AKASO AURA App

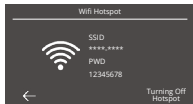
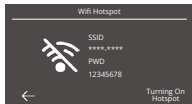
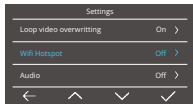
To sync your Seemor-200 with the app, download the AKASO AURA app from the App Store (iOS) or Google Play (Android) by searching for "AKASO AURA".

6.2 Connecting to the AKASO AURA App via Wifi

Follow the steps below to connect your Seemor-200 to the AKASO AURA app.

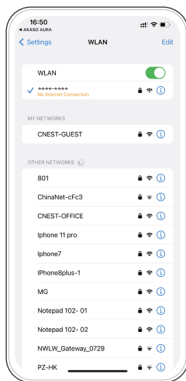
- ① Turn on the device Wifi. To do this, press the MENU button to access the system settings screen, then press the IR - button till you locate the Wifi Hotspot option, and press the SHOT button to enter the Wifi screen (see Figure 2). On this screen, press the SHOT button again to turn on Wifi. The device will enter Wifi mode and display the Wifi information (See Figure 3).

Tip: When the device is in Wifi mode, you can press the MENU button to exit the Wifi screen.

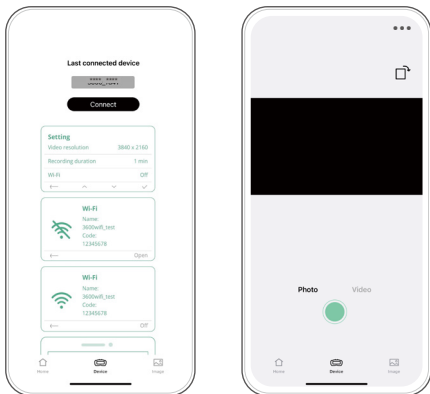


- ② Connect the device Wifi. To do this, enter your phone's Wifi settings page, find the Wifi SSID in the list and tap on it, then enter the password: 12345678 for connection.

Tip: Once the device Wifi is connected, a “No Internet Connection” or “Weak Security” notification will appear since your phone's data is paused. You can ignore it and continue the app connection.



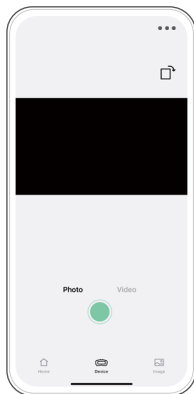
- ③ Connect to the app. To do this, open the AKASO AURA app on your phone, and tap the “Connect” option to connect. Your Seemor-200 is successfully connected to the app.



Note: Tapping the “Connect” option before connecting the device Wifi will redirect to your phone’s settings page for Wifi connection.

6.3. Capturing with the App

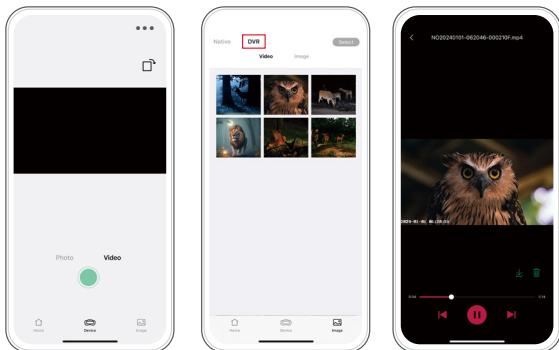
On the preview screen of the app, tap “Video” or “Photo” to enter Video or Photo mode. In Video or Photo mode, tap the green Shutter icon to record video or take a photo. To stop recording in Video mode, tap the Shutter icon again.



Note: While recording a video, the REC icon will appear on the preview screen and flash to indicate the duration of the recording.

6.4 Playing Back Videos on the App

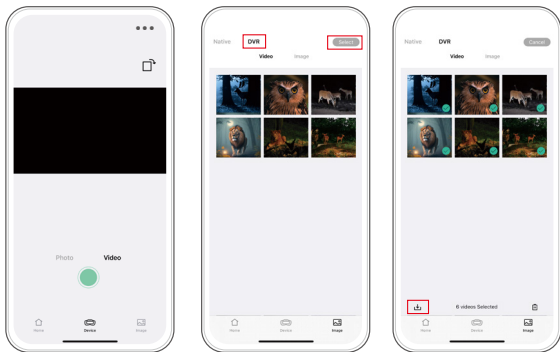
- (1) Tap the Album icon in the bottom right corner to enter the playback screen, then tap "DVR" to view all the photos and videos captured by your Seemor-200.
- (2) Choose the video or photo you want to playback, tap on it in full screen, and it will play. If you wish to delete this file, simply tap the Delete icon in the bottom right corner followed by the "Confirm" option. The selected file will be deleted.



Note: The AKASO AURA app is only for the Seemor-200 night vision goggles.

6.5 Downloading Videos on the App

- (1) Enter the playback screen, then tap “DVR” to view all the photos and videos captured by your Seemor-200.
- (2) Tap the “Select” icon in the upper right corner to choose the file you want to download. The “Select” icon will then turn to be a “Cancel” icon which allows you to pause the download process.
- (3) Tap the Download icon and patiently wait for the download process to complete.



Note: The app can only download a single video at a time due to file size limitations. If you wish to download videos in batch, you can choose to transfer video files to your computer via a card reader or a USB data cable (both the reader and the cable are sold separately). However, it allows you to download all photo files simultaneously.

- (4) When the progress completes, the file will be successfully saved to the Native folder and your phone's photo album. You can choose to playback the file on your phone or forward it to social media.

6.6 Updating the Firmware on the App

Why do you need to perform the Firmware Upgrade?

Firmware updates are of great importance to enhance your user experience, expand the product's capabilities, and improve its performance and responsiveness. It is strongly recommended that you perform regular firmware updates via the AKASO AURA app, as new upgrade packages for your device are released frequently.

What do you need to do before a firmware update?

Before initiating a firmware update, ensure:

- ① You've installed the latest AKASO AURA app on your smartphone.
- ② A functional Micro SD card is in the night vision goggles.
- ③ You've formatted the SD card properly.
- ④ A functional SIM card is in your phone which has sufficient available memory.

What do you need to pay attention to before the firmware update?

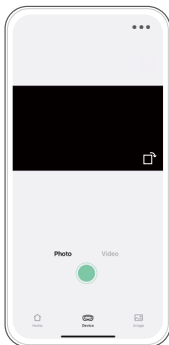
Before initiating a firmware update, please note the following precautions:

- ① Review these guidelines thoroughly.
- ② Always keep the AKASO AURA app updated.
- ③ Use a device-compatible Micro SD card to prevent update glitches. (The card's ability to record guarantees compatibility.)
- ④ Conduct the update in areas with robust network coverage to prevent upgrade failures caused by poor network conditions.
- ⑤ Ensure the device is left plugged in throughout the update process.
- ⑥ Stay connected to the app and the internet throughout the update process.
- ⑦ Avoid operating the device during the upgrade, including actions like inserting or removing the SD card, powering the device on or off, and any other interactions that might disrupt the update.

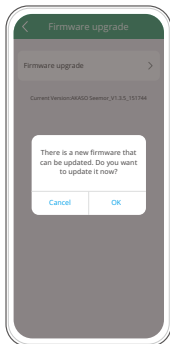
How to perform the firmware update?

To perform the OTA update, follow the steps below:

Step 1: With the item connected to the app, tap the icon “...” in the upper right corner to check for new firmware versions.

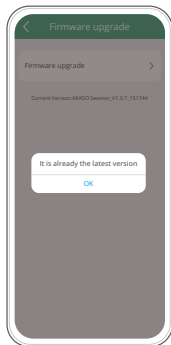


Step 2: Tap “Firmware upgrade” to verify the firmware update version. You will receive a download prompt if there is any new firmware version available.



Step 3: Select "OK" to start downloading the firmware upgrade package.

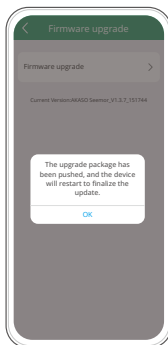
Tip: If there is no new firmware version available, you will be prompted that the device's firmware is up to date.



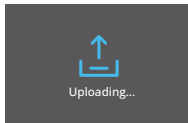
Step 4: After successfully downloading the firmware upgrade package, the system will automatically start uploading the package.



Step 5: Upon receiving the illustrated prompt, you will know the firmware upgrade package has been successfully uploaded and the night vision goggles will soon restart.



Step 6: The device automatically restarts and follows the upgrade progress.



Step 7: When the upgrade progress completes, you will need to reset the system's language and date & time. After doing so, press the SHOT button to confirm your changes.

Step 8: When in the preview screen, check your device's version by viewing its version information in the system settings screen.

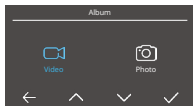
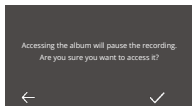
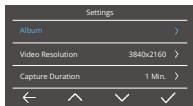
7. Setting Up Your Seemor-200

To set up your Seemor-200, press the MENU button from the preview screen to access the system settings, and configure the settings per your needs using the IR - or IR + button followed by the SHOT button.

(1) Album

The album allows you to view all the video and photo files stored on the memory card.

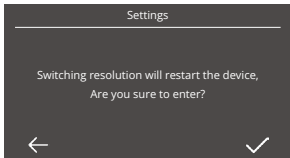
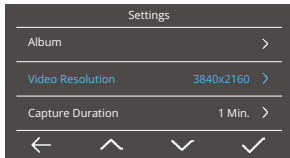
Tip: Whenever you attempt to access the album screen, a prompt box stating "Accessing the album will pause the recording. Are you sure you want to access it?" will pop up. This serves as a precautionary measure to prevent any accidental operations.



(2) Video Resolution

Switch the video resolution between 3840 x 2160 (default) and 2560 x 1440.

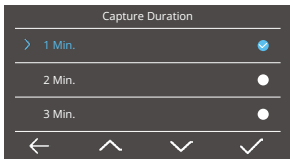
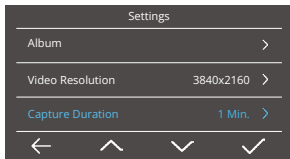
Note: Setting the video resolution will restart the device.



(3) Capture Duration

1 Min. (default) / 2 Min. / 3 Min.

Set your Seemor-200 to record 1, 2 or 3 minute videos that can be downloaded quickly.



(4) Loop Video Overwriting

On (default) / Off

Choose to turn the loop recording feature on or off. With this feature enabled, the device will automatically delete the earliest videos to continue recording when the SD card is full. The default setting is On.

(5) Wifi Hotspot

On / Off (default)

The Wifi hotspot works to connect your Seemor-200 to the AKASO AURA app to access the app features.

(6) Audio

On / Off (default)

Turn the audio feature on or off. When disabled, the device will record videos without audio.

(7) Brightness

Low / Medium (default) / High

Adjust the screen's brightness according to the light condition.

(8) Indicator Light

On (default) / Off

Choose to turn the indicator light on or off.

(9) Screen-off Time

Never (default) / 5 minutes later / 10 minutes later

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

(10) Volume

Off / Low / Medium (default) / High

Adjust the device volume. Options included Off, Low, Medium, and High.

(11) Auto Shutdown

Never (default) / 5 minutes later / 10 minutes later / 20 minutes later

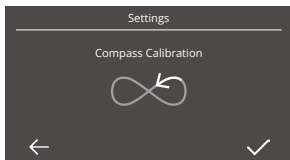
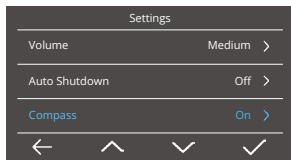
Set the duration of inactivity after which the device automatically powers off. If not operated within the chosen duration, the device will shut down.

(12) Compass

On / Off (default)

Choose to turn the Compass feature on or off. To use this feature, first select the "On" option by pressing the SHOT button, then move the night vision goggles as illustrated for around five seconds, and press the SHOT button again to complete the compass calibration progress.

Tip: With this setting enabled, the Compass icon will appear on the screen to indicate the direction.

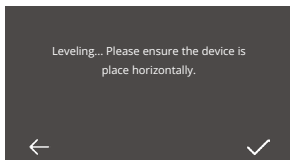
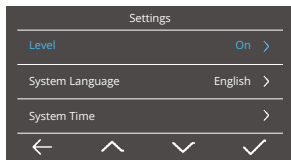


(13) Level

On / Off (default)

Choose to turn the Level feature on or off. To use this feature, first select the "On" option by pressing the SHOT button, then place the night vision goggles horizontally, and press the SHOT button again to complete the compass calibration progress. For more detailed steps, consult the section: Using the Level Feature.

Tip: With this feature enabled, the level icon will appear on the screen to detect device tilt. If you notice any orientation issues, go to the system settings to manually recalibrate the tilt.



(14) System Language

English (default) / 简体中文 / 日本語 / Deutsch / Français / Italiano / Español

Set the system language that appears on the device screen.

(15) System Time

Manually set the system time for your Seemor-200 according to your time zone.

Tip: Before capturing, it's important to ensure that the system time is correctly set to enable the accurate date stamp on your videos or photos.

(16) Format

Cancel (default) / Confirm

Format the memory card. Formatting will erase all data stored in the card. Be sure to offload your data before formatting.

(17) Reset

Cancel (default) / Confirm

Reset all settings to their default values.

Note: Performing this process will also restart your device.

(18) Date Format

YYYY/MM/DD (default), MM/DD/YYYY, DD/MM/YYYY

Set the date format for the device.

(19) About

View the version information of this device.

8. Q & A

Q: Can I use the night vision goggles for wildlife observation?

A: Yes, the AI-ISP technology adopted by the night vision goggles is perfect for observing wildlife without disturbing their natural behaviors, making it a valuable tool for biologists and enthusiasts.

Q: Is this product suitable for filmmaking?

A: Absolutely! Photographers and filmmakers can use the night vision feature to capture unique shots and footage in low-light conditions, enhancing their creative work.

Q: Is the night vision feature suitable for night rock climbing and camping?

A: Absolutely! Adventure seekers can use the night vision feature to explore hidden mysteries in the dark, making it an essential tool for various outdoor activities.

Q: What are the weight and dimensions of the AKASO night vision goggles?

A: The AKASO goggles weigh less than 500g (bare metal) and have dimensions of 16.2*12*6.9 cm, making them lightweight and portable.

Q: Can I download and analyze video footage using the AKASO AURA app?

A: Yes, the app allows you to preview, download, and analyze video footage using the 2.4G Wifi connection.

Q: Is the battery replaceable?

A: Yes, the 3250mAh polymer battery is easily replaceable, ensuring uninterrupted adventures even on longer outings.

Q: Is this product suitable for hunting?

A: Yes, hunters can rely on the night vision feature to track and spot animals during nighttime hunts, enhancing accuracy and safety in unfamiliar terrains.



9. Contact Us

 (888) 466-9222 (US)

 cs@akasotech.com

 www.akasotech.com

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



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.

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

Note: 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.

FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in portable exposure condition without restriction.