

**ACE**

# SHOT BOX™

life's too short™

**S71**

Instruction Manual



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## Precautions

When using the S71 video camera, adhere to the following precautions:

1. Do not drop, knock or shake the video camera.
2. Do not put the video camera close to an object that generates a strong magnetic field, such as a magnet or a motor. Do not put the video camera close to an object that emits powerful radio waves, for example, an antenna. Strong magnetic fields may cause faults on the video camera or damage the image/voice data.
3. Do not expose the video camera to high temperatures or direct sunshine.
4. Do not put the memory card close to an object that generates a strong magnetic field, such as a television set, a speaker, or a magnet. Do not put the memory card in a place where static electricity is easily generated.
5. Disconnect the power supply to stop recharging the battery immediately if heat, smoke, or a peculiar smell occurs during recharging.
6. Keep the video camera out of reach of children during recharging, because the power cable may cause asphyxia or electrical shock.
7. Store the video camera in a cool, dry, and dust-free place.

## **Preface**

Thank you for purchasing the AEE S71 series compact high-definition (HD) digital video camera, which has the following characteristics:

- Ultra small size and compact structure
- User-friendly interfaces
- Easy operations
- Hand-free shooting to facilitate shooting of real scenarios at any time and place
- Superior recording performance thanks to dynamic HD shooting technologies.

This manual describes how to install and use the S71 video camera. It also provides information about use, operations, installation precautions, and technical specifications of the S71 video camera. Before using the S71 video camera, read and understand this manual carefully and keep it safe for future use. Designed to meet professional requirements, the AEE S71 video camera will serve you for a long time.

## **Warranty**

This product has been certified by certification bodies for compliance with related safety regulations and specifications issued by the federal communications commission (FCC) and council of Europe (CE).



## Overview

The S71 video camera is a compact high-end HD digital camera intended for professional applications. It provides the following functions:

- Performs industry-leading HD digital shooting.
- Stores voice data.
- Displays images in real time.
- Performs video recording.
- Takes pictures.
- Displays time.
- Performs 10X digital zooming.
- Wi-Fi function and App application.
- Connects to an external special-purpose microphone.
- Performs USB 2.0 high-speed data transmission.
- Recharges the battery in USB mode.
- Accessories are available to facilitate shooting at any time and place. Multiple patents of invention and technology are integrated in the S71 video camera.

Dispose of properly. Recycle it for a greener earth!



## Main Functions and Features

- Provides 147° wide-angle f/2.7 lens.
- Provides a special-purpose HD lens, which supports 4K, 2.7K, 1080P, 960P, and 720P HD video recording.
- Takes 16M pixels pictures in 4608×3456 resolution.
- Wi-Fi function and more App application .
- Performs 10X digital zooming.
- A new generation of image sensor Exmor R CMOS, photosensitivity doubled. Perfectly show the image details even in low-light environment.
- Performs shooting in multiple modes, such as Single shot, Fast shot, Timed shooting.
- Provides unique fast-shot feature, up to 10 photos per second.
- Provides an independent voice recording function for long-time voice recording.
- Provides the 180° photo rollover function.
- Connects to an external TFT screen to view the video recording and playback.
- Support Audio-in function and external dedicated microphone.
- Provides HDMI and AV output interfaces for easy connecting to HD monitor or TV to view record files.

- Provides better video effects in multiple video output modes (NTSC system):
  - 4K Cinema (4096×2160) 12 frames / second
  - 4K (3840x2160) 15 frames / second
  - 2.7K Cinema (2704x1440) 24 frames / second
  - 2.7K (2704x1524) 30 frames / second
  - 1080P (1920x1080) 60 frames / second
  - 1080P (1920x1080) 48 frames / second
  - 1080P (1920x1080) 30 frames / second
  - 1080P (1920x1080) 24 frames / second
  - 960P (1280×960) 60 frames / second
  - 960P (1280×960) 48 frames / second
  - 720P (1280×720) 120 frames / second
  - 720P (1280×720) 60 frames / second
- Provides compact and fashionable design.
- Records video programs in MP4 format to facilitate playback on a PC and uploading to video-sharing websites.
- Provides high colour fidelity to present more clear and natural video pictures.
- Supports playback, deleting files and other operations on the local video camera.
- Supports fast forwarding, fast rewinding, and playback.

- The built-in microphone adopts dual-Mic design to achieve stereo and high-quality recording effects.
- All-round highlight status indicator.
- Built-in G-Sensor can function as automobile black box.
- Supports connecting to an external microphone (special-purpose microphone only).
- Provides a 1/4-inch general-purpose interface to facilitate extension of accessories.
- Accessories adopt strengthened structure with improved reliability and stability.
- Rechargeable built-in high capacity lithium-ion battery extends the video recording time.
- Provides shockproof features to withstand mild drops or knocks.
- Provides an IP68 waterproof housing, withstanding a diving depth of 100 metres, and two-types of rear-cover design.
- Provides automatic standby for power saving, and supports automatic saving of audio and video data.

## List of Accessories

ShotBox S71 camera



2" TFT Touch Screen

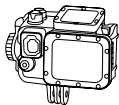


Remote Control \*



---

Water-proof housing



Waterproof housing rear case



Lithium-ion battery



---

Back clip \*



Power supply terminal \*



Plug bracket unit



Flat sticker



Convex sticker



Vertical-horizontal joint



Extended adjusting bolt unit \*



Moisture-proof foam



USB data cable



Waterproof plug \*



User manual



Hand strap \*



Cloth bag \*



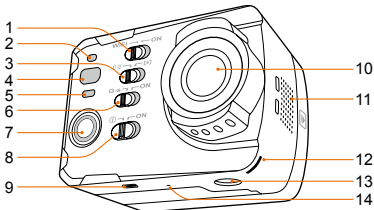
CD-ROM \*



❗ The accessories you've received may be slightly different from above. The package is subject to change without further notice. You can order the optional accessories marked with " \* ".

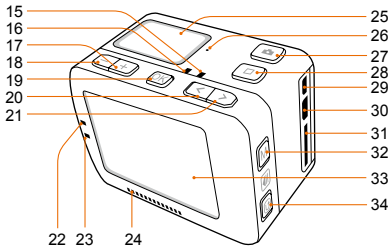
# Component Guideline

## Front View



- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. Wi-Fi key                    | 8. Power on/off key            |
| 2. Wi-Fi status indicator       | 9. Battery lock                |
| 3. Light meter mode key         | 10. Lens                       |
| 4. Recording status indicator   | 11. Cooling hole               |
| 5. Charging status indicator    | 12. Recording Status Indicator |
| 6. G-Sensor key                 | 13. Tripod mount               |
| 7. Video/audio recording button | 14. Microphone                 |

## Rear View



- 15. Charging status indicator
- 16. Recording status indicator
- 17. Up button
- 18. Down button
- 19. OK button
- 20. Left arrow button
- 21. Right arrow button
- 22. Recording status indicator
- 23. Charging status indicator
- 24. Speaker

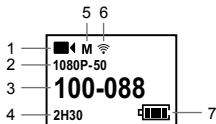
- 25. LCD segment display
- 26. Microphone
- 27. Shutter button
- 28. Stop button
- 29. Mini HDMI interface
- 30. USB interface
- 31. TF card slot
- 32. Menu button
- 33. TFT display
- 34. Playback button



## Description of Indicators

Position Status	Red indicator	Green indicator	Blue indicator
	Front cover(1) top cover(1) TFT display(1)	Front cover(1) top cover(1) TFT display each(1) bottom side(2)	Front cover(1)
Startup	Stay on	/	/
Video recording	/	Flash slowly	/
Audio recording	/	Flash slowly	/
Photo shooting	/	Flash once	/
Card full	/	Stay on	/
Charging (switched off)	Flash slowly	/	/
Fully charged (switched off)	Stay on	/	/
Low-battery indicator	Flash fast for 5s and then auto power off	/	/
Data transmission	/	/	flash slowl
Wi-Fi on		/	flash slowl

## LCD Segment Display

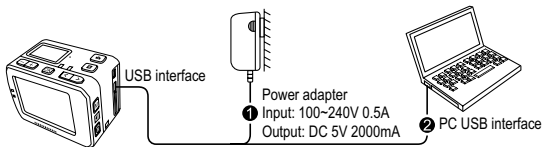


	Icon	Functions
1		Recording mode
		Shooting mode
2	<b>1080P-50</b>	Recording resolution
	<b>16M 12M 8M</b>	Shooting resolution
3	<b>100-088</b>	Number of recorded files
	<b>00:00:01</b>	Recording timer
4	<b>2H30</b>	Remaining recordable time
	<b>1888</b>	Remaining shots
5	<b>W M N S</b>	View angle
6		Wi-Fi
7		Battery level

## Preparations Before Use

### Charging

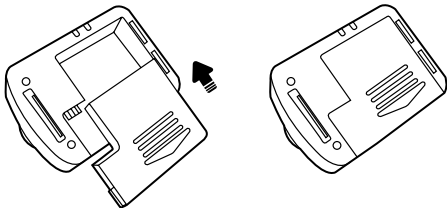
Start up the unit to check the battery power. If the battery level is low, use the supplied power adapter or USB port of a PC to charge the S71:



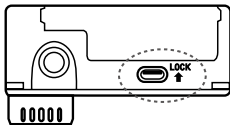
When the S71 is charged in power-off mode, the red indicator will flash slowly. After the battery is fully charged, the red indicator will stay on.

## Installing the Battery

1. Before Installing the battery, ensure that the battery "lock key" at the bottom of the S71 is unlocked.
2. Push the battery into the battery slot completely as below:



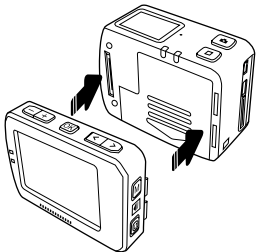
3. Battery lock:



## Install TFT Display

The S71 supports an external dedicated 2" TFT display, which can perform Setup, Playback and Delete, etc. on the camera to preview or play back the video.

Install the display as shown below:



## Insert and Remove The Memory Card

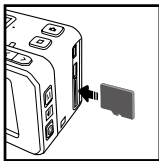
The S71 supports an external TF card up to 64G. Though all SD cards above Class 6 can be used on S71, a high-speed card is recommended to perform high-definition shooting. When shooting during dynamic motion, SDHC cards are recommended for use in order to ensure smooth shooting.

\* Insert the memory card:

- 1 Ensure that the S71 is switched off.
- 2 Insert the SD card into the memory card slot in the direction of the arrow until reaching the end. A "click" can be heard to indicate the card has been inserted correctly.

• To remove the memory card:

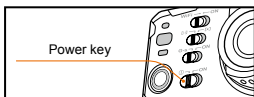
Press the centre of the exposed part of the SD card and the SD card will pop up slightly. Pull out flatly.



**!** Before connecting the host to Wi-Fi or the remote control, please first insert the SD card

## Startup

Turn the power key to "ON" to turn on the S71:





When the S71 is in power-on state, you can hold down the Shutter button and Stop button simultaneously for 3 sec to turn the camera off. After turning the camera off, you can hold down the Shutter button and Stop button simultaneously for 3 sec to turn it on.



- 2 red indicators will light up;
- The S71 has entered recording standby mode. The TFT display is shown as below:



## Language

1. Press "M" button to enter the camera setting menu;
2. Press "-" / "+" button to select "";
3. Press "<" / ">" button to select "" option and press "OK" button to confirm
4. Press "<" / ">" button to move the cursor to the language type to be modified. Then press "OK" to confirm
5. Press "M" button to exit the menu and return to recording standby mode.

## Date and Time

1. Press "M" button to enter the camera setting menu;
2. Press "-" / "+" button to select "";
3. Press "<" / ">" button to select "" option and press "OK" button to confirm
4. Press "<" / ">" button to move the cursor to the Style to be modified. Then press "OK" to confirm
5. Press "<" / ">" button to move the cursor to the time or date to be modified. Then press "-" or "+" button to modify the time and date and press "OK" to confirm



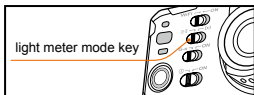
6. Press "M" button to exit the menu and return to recording standby mode.

Use "<" / ">" button to select the item to the left / right, and use "+" / "-" button to select the item above/below of the selected item. After selection, press "OK" button to confirm operation

- ❗ Please ensure that the date and time are correctly set. The S71 will add a time stamp to the photo/video based on this setting.

## Select Light Metering Mode

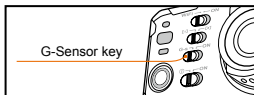
To achieve the best exposure effect, use the central spot light metering mode when the central spot is bright, while the surrounding environment is dark.



"[•]": turn on central spot metering

"[☐]": turn off central spot metering

## Start Video Recording Via G-SENSOR Mode



Turn the G-Sensor key to "ON" so that the S71 actively senses any change of gravity. The camera will automatically start video recording if it senses shock or tilting, etc. When this mode is applied in fixed installation, mounted on a vehicle or helmet, it can start video recording without the need to start the recording in advance, freeing you from manual operation while conserving battery power.

When the camera does not sense any gravity change for 3 minutes, it will exit video recording.

**⚠** During the startup process of the camera, please do not start G-sensor function simultaneously to avoid crashing.

# Video Recording

## Basic Operations of Video Recording


1. Turn on the S71 to enter recording standby mode;
  2. Point the lens to the subject and preview it in TFT display;
  3. Press the "Video recording" button once to start video recording;
- The system will tick once to indicate it is recording, the TFT display is shown as below:










4. During video recording, press the "Stop" button once to stop video recording.
- The system generates a tick tone twice, indicating that the video recording has stopped, and the time counter stops.
  - The display will return to recording standby mode.

## Parameter Setting For Video Recording

Perform the following steps to set the parameters for video recording:






1. Press "M" button to enter the setting menu;
2. Press "+" / "-" button to select "";
3. Press "<" / ">" button to move cursor to the sub-menu you want to configure, Press "OK" button to enter the sub-menu

Icon	Functions	Icon	Functions
	Execution mode		Resolution
	View angle		Bitrate
	Video content loop		180° photo rollover
	Display time		

4. Press "<" / ">" button to select the parameters you want;
5. Press "OK" button to confirm
6. Press "M" button again to exit the setting menu.

## • Execution Mode

Select the execution mode you want, Press "OK" button to confirm, Press "M" button again to exit the setting menu.







-  : Video recording mode
-  : Video-only mode
-  : Voice recording mode
-  : Time Lapse mode
-  : Auto video mode

## • Video-only Mode

In this mode, you can record a video without sound.

## • Time Lapse Mode


The Time Lapse function can record one picture as a frame of the video according to the time interval you set. It doesn't need post editing, and can easily make the continuous evolution and movement.


-  : Record a picture as a frame of the video every 0.5 sec.
-  : Record a picture as a frame of the video every 1 sec.
-  : Record a picture as a frame of the video every 2 sec.
-  : Record a picture as a frame of the video every 5 sec.
-  : Record a picture as a frame of the video every 10 sec.
-  : Record a picture as a frame of the video every 30 sec.


ⓘ This function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K and 720P modes.

- **Auto Video Mode**

If this function is enabled, the system will auto start recording videos according to the countdown time you set.

 : Starts video recording 5 seconds after "video recording" button is pressed.

 : Starts video recording 10 seconds after "video recording" button is pressed.

 : Starts video recording 20 seconds after "video recording" button is pressed.

- **Resolution Setting**

The optional resolutions for video recording are listed as below:

Resolutions	PAL System	NTSC System
4K Cinema (17:9)	4096x2160 12fps	
4K(16:9) 3840x2160	12.5fps	15fps
2.7K Cinema (17:9)	2704x1440 24fps	
2.7K(16:9) 2704x1524	25fps	30fps

1080P(16:9) 1920x1080	24fps, 25fps, 48fps, 50fps	24fps, 30fps, 48fps, 60fps
960P(16:9) 1280x960	48fps, 50fps	48fps, 60fps
720P(16:9) 1280x720	50fps, 100fps	60fps, 120fps

- View Angle**

Optional view angle: Broad, Medium, Narrow, Small.



Broad



Medium



Narrow





Small



❗ The function is unavailable in 4K Cinema, 4K, 2.7K Cinema and 2.7K modes.

- **Bitrate**

This unit provides two bit rate options: high "" and normal "". (If a high bit rate is selected, you will get a clearer picture with increased file size).

- **Video Content Loop**

You can activate or deactivate the loop recording function. If ON, the video file will be automatically stored in segments of 10 minutes; If OFF, the video file will be stored in segment of 15 minutes.

- **180° Photo Rollover**

When this function is activated, an upright video file can be obtained when using S71 to shoot video upside down.

❗ The function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K, 1080P 48f/50f/60f and 720P 100f/120f modes.

- **Display Time**

You can choose to display or not display the video recording time at the bottom right corner of the photo.

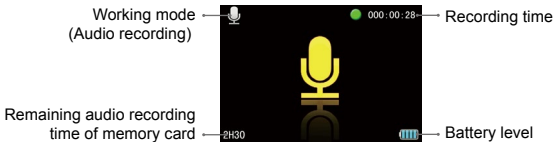
❗ The function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K, 1080P 48f/50f/60f and 720P 100f/120f modes.



## Audio Recording



Operating procedures for audio recording:

1. Enter the audio recording mode and press "Video Recording" button to start audio recording.
  - The system will tick once to indicate that audio is recording.



2. During audio recording, press the "Stop" button once to stop audio recording.
  - The system generates a tick tone twice, indicating that the video recording operation has stopped.
  - The display will return to recording standby mode.

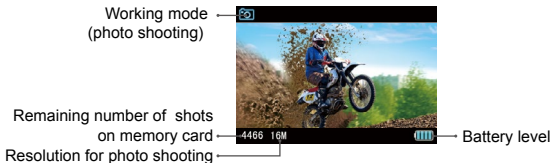
Exit audio recording mode:

1. Press "M" button to enter the camera setting menu;
2. Press "<" / ">" button to select " " and press "OK" button to confirm
3. Press "<" / ">" button to select " " mode and press "OK" button to confirm, the S71 will return to recording standby mode.

# Photo Shooting


## Operating Procedure for Photo Shooting




1. Turn the S71 on to enter the recording standby mode;
2. Point the lens to the subject and preview it on the display;
3. Press the "Shutter" button once to switch the working mode to "photo shooting";
4. Press the "Shutter" button again to shoot one photo.
  - The system will click to indicate completion and will return to photo shooting standby mode;
  - The TFT display under photo shooting mode is shown as below:



## Parameter Settings for Photo Shooting

Perform the following steps to set the parameters for photo shooting:

1. Press "M" button to enter the setting menu;
2. Press "+" / "-" button to select "";
3. Press "<" / ">" button to move blue cursor to the sub-menu you want to configure, Press "OK" button to enter the sub-menu

Icon	Functions	Icon	Functions
	Capture mode		Photo resolution
	Display time		

4. Press "<" / ">" button to select the parameters you want;
5. Press "OK" button to confirm
6. Press "M" button again to exit the setting menu.

### • Capture Mode

Select the capture mode you want, Press "OK" button to confirm, Press "M" button again to exit the setting menu.



: Single shot mode



: Fast shot mode



: Timed shooting mode

- **Single Shot Mode**

Take one photo when the photo shooting button is pressed.

- **Fast Shot Mode**

The S71 takes several photos within one


 : 3 photos in one second;


 : 6 photos in one second;


 : 10 photos in one second;

- **Timed Shooting Mode**

When the "Shutter" button is pressed once under recording standby mode, the S71 will start a countdown and take a photo at the set time.

 : Takes one photo 3 seconds after the "Shutter" button is pressed.

 : Takes one photo 5 seconds after the "Shutter" button is pressed.

 : Takes one photo 10 seconds after the "Shutter" button is pressed.

- **Photo Resolution**

Three optional resolutions include:

**16M** : 16.0M (4608×3456 4:3)

**12M** : 12.0M (4000×3000 4:3)











**8M** : 8.0M (3200×2400 4:3)

- **Display Time**

You can choose to display or not display the photo shooting time at the bottom right corner of the photo.

## Other Basic Setting

1. Press "M" button to enter the camera setting menu;
2. Press "-" / "+" button to select "⚙️";
3. Press "<" / ">" button to move blue cursor to the sub-menu you want to configure, Press "OK" button to confir

Icon	Functions	Icon	Functions
	Warning tone		Status indicator
	On screen display		Auto to standby
	TV output format		Language
	Date/time		Format
	Recover factory setting		Ver

### • Warning Tone

Adjust the loudness or mute of buzzer.

 : Off


 : Medium


 : Standard

- **Status Indicator**

Activate or deactivate the status indicators.

 : Off (All OFF)

 : Two (Only 2 indicators of S71 ON)

 : On (All ON)


- **On Screen Display**


Display or hide the recording icons or information on the display screen.


- **Auto To Standby**

The S71 is set to automatically enter standby mode if no operation (photo shooting, video recording or button operation) is carried out in certain time. If any operation is carried out in the timing process, the timer will be reset. Under standby mode, press video recording button/shutter button/stop button to awaken the S71.

 : Off

 : 2 minutes

 : 5 minutes

 : 10 minutes



- **TV Output Format**

This setting is designed to ensure that the frame rate of video recording matches with the playback format of a TV.

Please select NTSC in North America.

Please select PAL in non-North America areas.

- **Format**

This option allows all the files in the memory is cleared

- **Recover Factory Setting**

This option allows all the settings of the system to be restored to original factory settings.

# Playback

## Operating Procedure for Playback

1. Press the "playback" button to enter playback interface;
2. Press "Video recording" button to select the file type and press "OK" button to confirm



: View video files



: View photo file




: View all file


3. Press "<" / ">" / "+" / "-" button to move the cursor to the thumbnail of the file you want to play back
  4. Press "OK" button to enter the playback interface and press "OK" button to play it.
- When playing video files, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Decrease volume;	+	Increase volume;
<	Fast rewind	>	Fast forward
	Reset to play it from the beginning. Press it again to return to the file preview interface;	OK	Play/pause.

- When reviewing photos, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Zoom out; In zoom-in mode, when you press " <b>OK</b> ", you can press "-" to move the photo downward;	+	Zoom in; In zoom-in mode, when you press " <b>OK</b> ", you can press "+" to move the photo upward;
<	In zoom-in mode, when you press " <b>OK</b> ", you can press "<" to move the photo rightward; When a photo is displayed in its actual size, press "<" to view the previous photo;	>	In zoom-in mode, when you press " <b>OK</b> ", you can press ">" to move the photo leftward; When a photo is displayed in its actual size, press ">" to view the next photo;
	In zoom-in mode, press it to restore the photo to its actual size; Press it to preview photos in thumbnails.	<b>OK</b>	When a photo is displayed in its actual size, press " <b>OK</b> " to rotate it; In zoom-in mode, when you press " <b>OK</b> ", the "↕" icon will appear in the upper left corner, you can to move the photo;

- When playing audio files, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Decrease volume;	+	Increase volume;
	Press it again to return to the playback interface;	OK	Play/pause.

## Delete Files

- Under file playback or thumbnail preview mode, move the cursor to the file icon you want to delete
- Press "M" button to enter file operation mode and move the cursor to "Delete file";
- Press "OK" button to confirm
- Move the cursor to "delete single"/"delete all" and press "OK" button to delete the file(s)



: Delete single



: Delete all

## File Protection and Unlocking

1. Under file playback or thumbnail preview mode, move the cursor to the file icon you want to protection
2. Press "M" button to enter file operation mode and move the cursor to "file protection";
3. Press "OK" button to confirm
4. Select protection type and press "OK" to confirm



: Protect single



: Protect all



: Unlock single



: Unlock all

- !** The protected files cannot be deleted. However, such files can be deleted by formatting.

## Upload Audio/Video/Photo Files to PC

1. Use USB data cable to connect the camera to a PC;
2. Switch on the S71;
3. Click the "My Computer" icon on the desktop and find the "Removable Disc". If the camera is not detected, close "My Computer" window and reopen it after a while. The "removable disc" will be displayed;

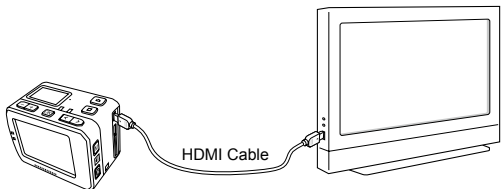
4. Double click the "removable disc" icon;
5. Enter the "removable disc" and copy/move the file to the PC's hard disk.

## View Video/Photo On HDTV

The recorded files can also be played on a TV or display with HDMI interface.

Ensure that your camera is properly configured to NTSC (North America) or PAL (Non-North America) video format; otherwise, the video and images on S71 cannot be properly displayed on TV.

Use HDMI cable to connect the S71 to the TV set:



⚠ This function is not available when opening Wi-Fi.

## Wi-Fi

With an integrated Wi-Fi module, the S71 can be connected with a Wi-Fi remote control, smartphone or tablet PC to achieve remote control function. First please install appropriate APP software provided by AEE to your device.

- **Download a Wi-Fi APP**

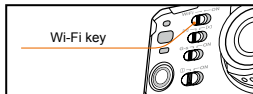
The Wi-Fi APP is available to upload from the iPhone APP store and Google Play store.


1. Android user: Entering Google Play store, search "AEE APP" (quotation marks are needed), download and install, following the user manual to connect the Wi-Fi and to operate.
2. iPhone user: Entering the iPhone APP store, search AEE, download and install, following the user manual to connect the Wi-Fi and operate.

APP icon: 



## • Wi-Fi Starting and Connection

1. Push Wi-Fi key to "ON" to switch on Wi-Fi function:



The blue indicator starts to flash and Wi-Fi signal icon "  " can be seen on the upper left corner of TFT display.

**!** Do not perform any key operation while waiting for the Wi-Fi function to be enabled or disabled.

2. Turn on your camera, wait until the blue Wi-Fi indicator flashes slowly. Search for Wi-Fi hot spot on a mobile receiving device, select "AEE Magicam" network and connect (default password: AEE12345). The camera and mobile device are now connected.
3. Click the App icon "  " on the mobile device to display the icon (  ) shown in Fig. 1. Enter the interface shown in Fig. 2 to remotely view your camera's screen and set up parameters.






❗ In case of Wi-Fi connection failure, the icon "  " will appear. Select "Yes" to try to connect again. If you select "No", click the icon "  " to enter the WLAN settings interface or click the icon "  " to enter the main interface to view local files only(Only Android version), no other operation is supported.



Fig. 1 Wi-Fi Connection Interface



Fig. 2 Wi-Fi Control Interface

1. Total number of file
2. Wi-Fi status
3. Battery status
4. Remaining recording time or number of shots
5. Recording Duration
6. Video recording mode
7. Single shot mode
8. Playback mode
9. Maximize preview
10. Current state icon / Start / Stop button
11. Parameter settings
12. Zoom out
13. Zoom in
14. Fast shot mode

You can remotely control your camera by clicking the icons at the main interface.

**2H30**: Display the remaining recording time in video recording mode;  
Display the remaining number of shots in photo shooting mode.

- ❗ The mobile device must be used within a max. distance of 100 metres from the S71 in an obstacle-free area at a horizontal angle.
- ❗ The real-time preview is unavailable for video recording 1080P 48f/50f/60f, 960P, 720P 100f/120f modes.

## Operating Instructions for Wi-Fi Control Interface

### 1. Video Recording

Click the Video recording mode icon "📹". The current state icon will display as "📹", click it to start / stop video recording.

Click the icon "⏏" to maximize the preview (See Fig. 3).

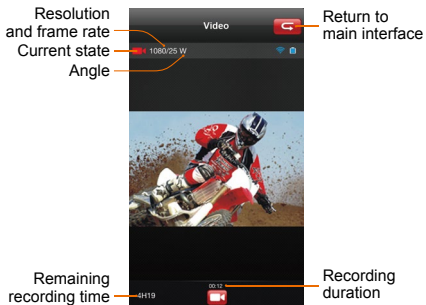






Fig. 3 Video Recording Mode

You can set up your desired recording resolution in the parameter setting interface.

## 2. Single shot

Click the Single shot mode icon "  ", it will turn blue "  ". The current state icon will display as "  ", click it to take one picture.

Click the icon "  " to maximize the preview (See Fig. 4).

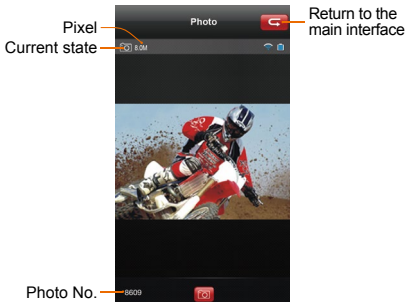


Fig. 4 Single Shot Mode

You can set up the pixel in the parameter setting interface.

### 3. Fast Shot

Click the Fast shot mode icon "📷" ,it will turn blue "📷". The current state icon will display as "📷", click it to take pictures within one second.

Click the icon "📷" to maximize the preview (See Fig. 5).

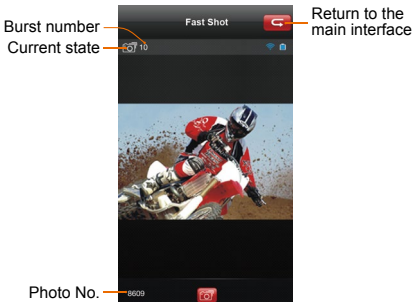



Fig. 5 Fast Shot Mode

You can set how fast the camera takes pictures in the camera setting interface.

#### 4. Playback


Click the icon "  " to enter the interface shown in Fig. 6 to remotely play videos and photos. abc

1.Camera storage

2.Mobile device storage




Fig. 6 Playback Interface

Slide the icon "  ". If you select "Camera Storage", you can replay the files stored on the camera. If you select "Mobile Device Storage", you can replay the files downloaded from the camera to the mobile device.

Click the icon "  " to enter the App settings interface.

Click the icon "  " to return to the WiFi control interface.

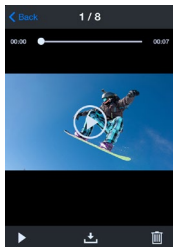
Click the icon "  " to enter File selecting.

Click the icon "  " to download media files from the camera to your mobile device.


Click on the thumbnail to view in large preview. You can slide left and right to select the desired file.





Photo Preview



Video Preview


Click the icon "  " to return to the thumbnail preview interface.

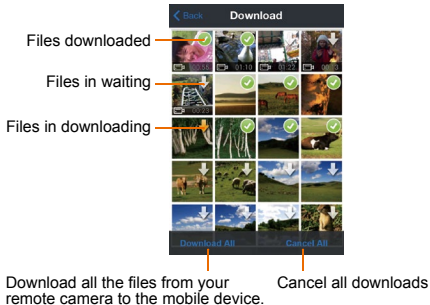
Click the icon "  " to download the current file to your mobile device.





Click the icon "  " to delete the current file

Click the icon "  " to display video.

## Download Files to Mobile Device

Return to the thumbnail preview interface and click the icon "  " to enter the Download interface. Click the desired files to download them to your mobile device.



In the thumbnail preview mode, slide the icon "    " to view local files. Click the icon "  " to enter the interface shown in the figure below, and then click the desired files to share them to social networking websites.



Click on the thumbnail to view in large preview. You can slide left and right to select the desired file.

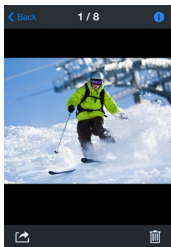
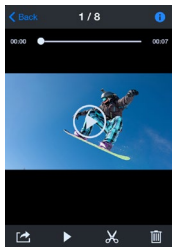



Photo Preview




Video Preview

Click the icon "  " to view the current file information

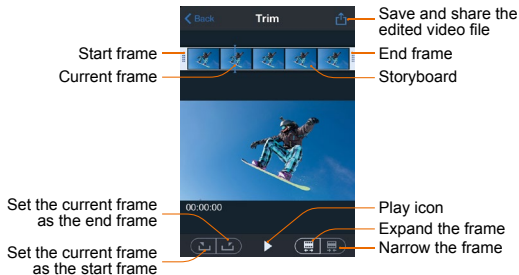
Click the icon "  " to enter the video trimming interface.

("  " iOS version)

Click the icon "  " to share the current file to a social networking website.



## Trim Videos

When viewing the downloaded files on the mobile device, you can click the icon "✂" at the bottom of the screen to enter the video trimming interface shown in the figure below




This function allows you to take a clip out of the video to generate another video by changing the starting frame and ending frame. The following two methods can be used to change the starting frame and ending frame:

1/ Change the starting frame and ending frame by directly dragging the time frame panel (click the Play key for previewing until the best location is reached).


2/ Click " " to set the current frame as the starting frame, drag the time frame panel to change the current frame, and then click " " again to set the current frame as the ending frame.

## Change Wi-Fi Connection Name and Password

1. Change the Wi-Fi connection name:

Connect your camera (with TF card installed) to the computer and turn on your camera. On the computer, double click "My Computer" to find and enter the removable disk, and then open the " " WiFi.conf file in the folder "MISC". Find "AP\_SSID=AEE Magicam" Change the content following the equal sign "=" to your desired name and save it.

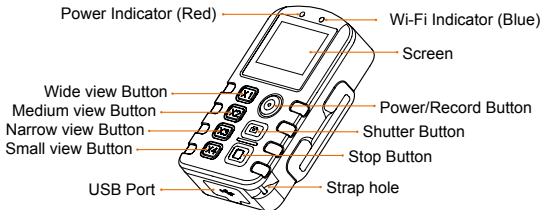
2. Change the Wi-Fi connection password:


Connect your camera (with TF card installed) to the computer and turn on your camera. On the computer, double click the icon "My Computer" to find and enter the removable disk, and then open the "  " WiFi.conf file in the folder "MISC". Find "AP\_PASSWD=AEE12345". Change the content following the equal sign "=" to your desired password (containing at least 8 digits and above) and save it. (It supports 8-digit password only.)







- ❗ If the TF card is formatted, you need to reconnect to your camera in order to find the folder "MISC" and change the name and password.
- ❗ In case of synchronous operation of the camera and the Wi-Fi based remote control, hosts will give priority to the operation command from the camera.
- ❗ Above images for reference only, subject to our available App.

# Wi-Fi Based Remote

## Guide for Components




Buttons	Functions
	Hold down button for about 5 sec to turn the Wi-Fi based remote control on/off .
	Under photographing mode, press once to switch the current mode to the video recording mode.
	Under the video recording mode, press it once to start video recording.
	After entering the mode selection state, press it to select the option upwards.

	<p>Under the video recording mode, press once to switch the current mode to the photographing mode.</p>
	<p>Under photographing mode, press once to take a photo.</p>
	<p>Hold button down for about 2 sec to enter the mode selection state.</p>
	<p>Select your desired mode, and press to enter.</p>
	<p>During video recording, press to stop video recording.</p>
	<p>After entering the mode selection state, press to select the option downwards.</p>
	<p>Press once to switch the viewing angle of the camera to wide angle.</p>
	<p>Press once to switch the viewing angle of the camera to medium angle.</p>
	<p>Press once to switch the viewing angle of the camera to narrow angle.</p>
	<p>Press once to switch the viewing angle of the camera to small angle.</p>

- ❗ Viewing angle switching buttons in the remote control can only be used in the 1080p mode.
- ❗ If DRC10 accidentally crashes in use, and you cannot perform a normal shutdown, press the "Wide view" and "Small view" key to force shutdown.


## Startup

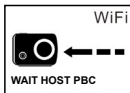
Hold down the “Power / Record” button for about 5 sec to start the Wi-Fi based remote control.

After startup, the screen will display the battery icon “”; if the battery icon is empty, it indicates that the battery level is low and charging is needed; please connect the USB power supply to the USB port of the remote control for charging.

## Pairing

Please carry out pairing before enabling the functions of the remote control. Steps for pairing between the Wi-Fi based remote control and the camera are stated as follows:

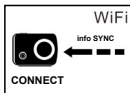
1. Turn on the camera and enable the Wi-Fi function;
2. First, press and hold the “Stop” Button of the Wi-Fi remote control; then, hold down the “Power / Record” record for about 5 sec to start the remote control. The red power indicator will stay on and the screen will display the battery icon “”;
3. Hold down the “Power/Record” button and the “Stop” button, and do not release these two buttons until the following icon of “WAIT CAMERA PBC” appears.



4. Press the “Stop” button of the camera once, and the screen of the Wi-Fi remote control will display the icon below:



5. Press the “Stop” button of the Wi-Fi remote control for connecting, and the screen of the Wi-Fi remote control will display the icon below:



6. When the remote control enters the recording standby state and the following interface, code pairing is completed successfully:





## Specifications

Description	Specificatio
Charging time via USB	2.0 hours (max.)
Service time of fully charged battery	5.0 hours (max.)
Battery capacity	500mAh
Power consumption	0.30W - 0.35W
IP rating	IP66
Remote control distance	About 120 meter
Specification of US	USB 2.0
Overall dimension	77×46×19mm
Weight	59g
Working temperature	-10°C ~ 50°C
Storage temperature	-20°C ~ 60°C

## Precautions

1. This remote control is a sophisticated product; dropping or physical impact on this product will cause damage.

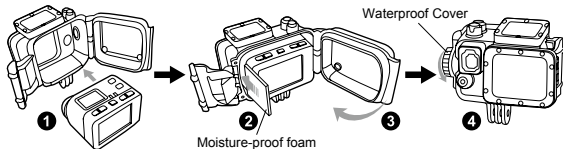
2. The remote control should not get close to objects with high-intensity magnetic fields such as a magnet or electric motor, or to objects that send out strong radio waves such as antenna. Strong magnetic fields may result in failure of the remote control.
3. Please do not put the remote control in a place with high temperature or direct sunshine.
4. Please put the remote control in a cool, dry and dustless place.
5. This product is not designed with the function of auto standby; if it is idle for a long time after startup, please turn off the power of the remote control.
6. The remote control is able to connect to one host only each time. It can't connect to multiple hosts simultaneously.
7. If the remote control disconnects please reboot to use.
8. Please don't operate the remote control while it's charging, it may cause malfunction.
9. If you activate the video recording function with a remote control, simply press the Stop button on the remote control to stop recording. Please don't press the Stop button on the host to stop recording, in case it will cause malfunction.

## Accessory Application

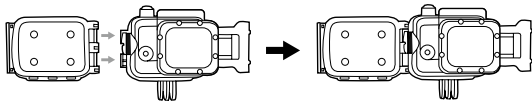
The S71 is suitable for handheld use or hand-free use by using appropriate accessories. The S71 is fitted with water-proof housing that is used to record videos underwater.

### Water-proof Housing and Moisture-proof Foam




The S71 water-proof housing has a rating of IP68, which can protect the camera up to 100 metres underwater. In order to avoid and reduce condensation on the glass of the water-proof housing, we suggest placing moistureproof cotton inside the water-proof case or environments where temperatures vary widely. Follow these steps to load the S71 into water-proof housing:



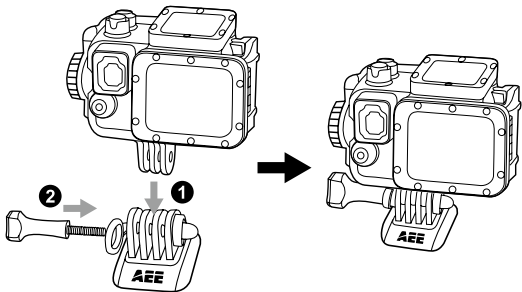
Follow these steps to assemble the waterproof housing rear case:



You can choose different waterproof cover in accordance with your own demands:

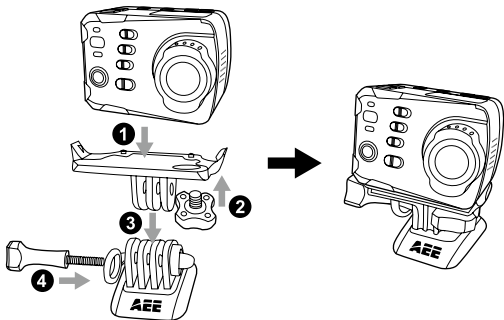
Standard Waterproof Cover	Waterproof Cover with Hole	Waterproof Cover with Microphone
		
<p>High waterproof protection standard. Used for diving, swimming, surfing, etc.</p>	<p>Rainproof function with excellent audio recording effect.</p>	<p>Rainproof function with external microphone and excellent audio recording effect (Please remember to unplug the cover of memory card on the side of the host before using this waterproof cover).</p>

The plug bracket can fix the S71 water-proof housing firmly onto the sticky seat, as below:



## Mount Plug Bracket Components

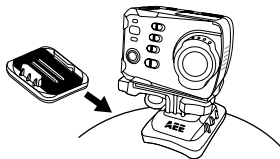
The plug bracket can fix the S71 firmly onto the sticky seat



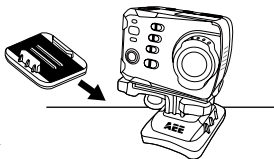
## Use Convex Sticker and Flat Sticker

The S71 comes with a curved adhesive and a flat adhesive for installation on different surfaces.

You can easily attach the camera onto a helmet, vehicles or the surface of other devices.



M08 convex sticker



M15 flat sticker

Precautions for the use of 3M double-sided foam tape:

1. Before fixing 3M double-sided foam tape, please select an appropriate curved or flat surface where the tape can fit with the surface.
2. Before using 3M foam tape, please clean the surface to be adhered to.
3. Before applying 3M foam tape, it is suggested to heat the surface (electric blower may be used), especially when the temperature is below  $-20^{\circ}\text{C}$ .

# Specifications

Description	Specification
Visual angle	147°
Aperture	f/2.7
Digital zoom ratio	10X
Pixel	16 million
Video recording format	MP4
Audio recording format	WAV
Photo format	JPG (JPEG)
Wi-Fi transmission distance	About 100 meter (Max.)
Storage medium	128MB Flash Memory (not for photo shooting or video recording); up to 64GB external Micro SD card
Standard battery capacity	1500mAh
Power consumption	700mA
Recharging duration	USB Cable: About 3.5 hours
	Power Adapter: About 2.5 hours
Maximum recording time	About 2 hours 30min (Max.)** under 960P/50f



Maximum audio recording time	About 240 minute (Max.)
TFT Display	2.0" true color TFT display (16:9)
Dot-matrix screen	90×64mm FSTN (lattice screen)
Operating platform requirements	Operating system: Windows XP SP2 / Vista or above / Mac OS;
Storage temperature	-20°C ~ 60°C
Operating temperature	-10°C ~ 50°C
Dimension	L59 × W43 × H47mm (including TFT screen)
	L59 × W43 × H35mm (excluding TFT screen)
Unit weight	116g (including TFT screen and battery)
	56 (excluding TFT screen and battery)

❗ As our products undergo continuous development, the specifications are subject to change without prior notice

## Power Supply

The S71 video camera uses a power unit certified by the following authorities.



UL mark  
U.S. Power  
Certification



C-TICK mark  
Australia Power  
Certification



CE mark  
E.U. Power  
Certification



GS mark  
Germany Power  
Certification



CCC mark  
China Power  
Certification



PSE mark  
Japan Power  
Certification



BS mark  
U.K. Power  
Certification

**!** The surface temperature of a power unit in use may increase, and this situation is normal.

## Precautions for The Waterproof Housing

The waterproof housing is a precision component. When using the waterproof housing, adhere to the following precautions:

1. Do not randomly remove or change the O-ring, key, and lens cover. Otherwise, the waterproof performance deteriorates.
2. Do not put the waterproof housing in a place where corrosive gases are easily generated due to strong acid or alkali. Do not make the waterproof housing in contact with chemical or corrosive objects, such as strong acid or alkali.
3. Do not put the waterproof housing in a place where temperature is high (50°C) or low (-10°C) for a long time to avoid deformation.
4. Do not expose the S71 video camera to sunshine for a long time to avoid deterioration of the waterproof performance.
5. Before use, ensure that the O-ring is intact, the seal is litter-free, the housing is fully sealed, and the buckle is tight.
6. After using the housing in sea water, wash it using fresh water, clean it, and dry it in a cool place.

## Tips

1. When the unit is in used for long period, it is natural that its surface temperature will rise.
2. If you have not used the S71 for a long period, it is suggested that you charge it once every six months to maintain battery performance.
3. Use of digital zooming function during shooting will have slight impact on the image quality.
4. The visual angles under different modes will be slightly different.
5. To smoothly play a high-definition video file, it is suggested to use a PC or other professional device.
6. If you enable the cyclic recording function for long period or are frequently shooting/deleting photos, the memory card may build up data fragments that may damage the card, so you are unable to store or shoot photos. Please back up the data to an external storage medium and perform formatting operation to the memory card.
7. When the camera works in a high-temperature environment, the lattice screen may become black, which is a normal phenomenon and will not affect its function.

8. When the camera is used for a long time, the temperature of the metal parts near the lens may rise, which is a normal phenomenon; please do not touch the heated metal parts.
9. Hot plugging is not supported; in case of white screen, please restart the camera to return to normal.

## FCC Notices

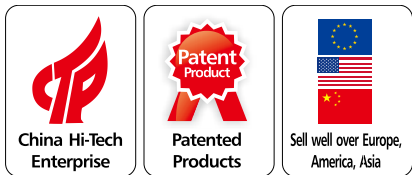
- 1.The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
- 2.This device complies with Part 15 of the FCC Rules. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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:

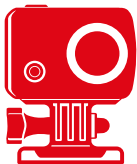
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.





Please read this user manual carefully and thoroughly before any attempt to install and operate this product and retain it for your future reference.





**Recording Equipment**  
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