



S60



HITEC

AEE

MO Action Camera
■ ■ □ Envision



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Precautions

When using the S60 video camera, adhere to the following precautions:

1. Do not drop, knock, or shake the video camera.
2. Do not place the video camera near an object that generates strong magnetic fields, like a magnet or motor. Do not put the video camera close to an object that emits powerful radio waves, like an antenna. Strong magnetic fields may disrupt use of the video camera or damage image / voice data.
3. Do not expose the video camera to high temperatures or direct sunshine.
4. Do not put the memory card near an object that generates a strong magnetic field, like a television set, a speaker, or a magnet. Do not put the memory card in a place where static electricity occurs.
5. Disconnect the power supply to immediately stop battery recharge when overheating, smoking, or peculiar smells occur during recharging.
6. Keep the video camera out of reach of children during recharging, as the power cable may cause asphyxia or electrical shock.
7. Store the video camera in a cool, dry, and dust-free location.

Preface

Thank you for purchasing the AEE S60 series compact high-definition (HD) digital video camera, which features the following:

- Ultra-compact size and structure
- User-friendly interfaces
- Easy and intuitive operation
- Hands-free shooting that allows the user to capture real scenarios at any time and in any place
- Superior recording performance from its dynamic HD shooting technologies that provide the user with an exciting videographer experience.

This manual describes how to install and use the S60 video camera. It also provides information about the use, operation, installation precautions, and technical specifications of the S60 video camera. Before using the S60 video camera, read and understand this manual in full and keep it handy for future use. Designed to professional standards, the S60 video camera will meet the requirements of even the most discerning user.

Dispose of properly. Recycle it for a greener earth!



Warranty

This product has been certified for compliance with related safety regulations and specifications issued by the Federal Communications Commission (FCC) and Council of Europe (CE).

The S60 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 4X 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 your shooting experience at any time in any place. The S60 holds multiple patents for invention and technology.

Main Functions and Features

- Provides 140° wide-angle f/2.7 lens.
- Provides a special-purpose HD lens, which supports 1080P, 960P, and 720P HD video recording.
- Takes 16M pixelated pictures in 4608×3456 resolution.
- Wi-Fi function and more "App" application.
- Performs 4X digital zooming.
- Contains a new generation image sensor Exmor R COMS that doubles photosensitivity and sharpens image details even in a low-light environment.
- Performs shooting in multiple modes such as single shot, fast shot, and timed shooting.
- Provides a unique fast-shot feature that takes up to 8 photos per second.
- Provides an independent voice recording function for longer voice recording.
- Provides a 180° photo rollover function.
- Connects to an external TFT screen to view video recording and playback.
- Provides HDMI and AV output interfaces for easy connection to an HD monitor or TV set to view recorded files.

- Has a compact and stylish design.
- Provides better video effects in multiple video output modes (NTSC system):
 - 1080P(1920×1080) 60 frames / second
 - 1080P(1920×1080) 48 frames / second
 - 1080P(1920×1080) 30 frames / second
 - 1080P(1920×1080) 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
- Records video programs in MP4 format to facilitate playback on a PC and uploads to video-sharing websites.
- Provides high color definition for clearer and more realistic video feed.
- Supports playback, file deletion, and other operations.
- Supports fast forwarding and rewinding.
- Built-in microphone adopts dual-Mic design to achieve a high quality stereo recording effect.
- All-around highlight status indicator.
- Built-in G-Sensor that functions as an automobile black box.

- Supports connection to an external microphone (special-purpose microphone only).
- Provides a 1/4-inch general-purpose interface for accessory use.
- Accessories create a strengthened structure with improved reliability and stability.
- A rechargeable, built-in, high capacity lithium-ion battery extends video recording time.
- Provides shock-proof features to withstand minor bumps or falls.
- Provides IP68 waterproof housing to withstand a diving depth of 100 meters.
- Provides automatic standby to save power and can be set to auto-save voice and video data.

List of Accessories

S60 Camera



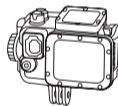
TFT Display



Remote Control *



Waterproof Housing

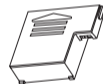


Waterproof Housing

Rear Case



Lithium-ion Battery



Back Clip *



Power Supply Terminal *



Plug Bracket Unit



Flat Adhesive Mount Curved Adhesive Mount Vertical-horizontal Joint



Extended Adjusting Bolt Unit *



Moisture-proof Foam



USB Data Cable



Waterproof Plug *



User Manual



Hand Strap *



Cloth Bag *



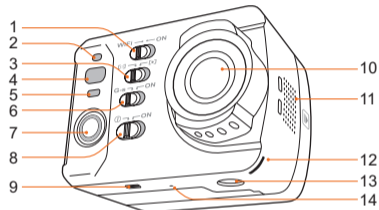
CD-ROM *



❗ The accessories you received may differ slightly from above. The package is subject to change without further notice. You can order optional accessories marked with " * ".

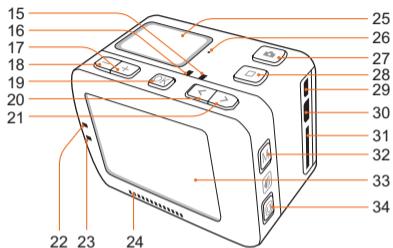
Component Guideline

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 | 25. LCD segment display |
| 16. Recording status indicator | 26. Microphone |
| 17. Up button | 27. Shutter button |
| 18. Down button | 28. Stop button |
| 19. OK button | 29. Mini HDMI interface |
| 20. Left arrow button | 30. USB interface |
| 21. Right arrow button | 31. TF card slot |
| 22. Recording status indicator | 32. Menu button |
| 23. Charging status indicator | 33. TFT display |
| 24. Speaker | 34. Playback button |

Description of Indicators

Position	Red indicator	Green indicator	Blue indicator
Status	Front cover(1) top cover(1) TFT display(1)	Front cover(1) top cover(1) TFT display(1) bottom side(2)	Front cover(1)
Startup	Flash once and then Stay on	/	/
Video recording	/	Flash slowly	/
Audio recording	/	Flash slowly	/
Photo shooting	Stay on	Flash once	/
Card full	Stay on	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	Stay on	/	flash slowly
Wi-Fi on	Stay on	/	flash slowly

When powering down the screen, the TFT display indicators will be lit. You can long-press the Shutter button to turn on/off the screen.

LCD Segment Display



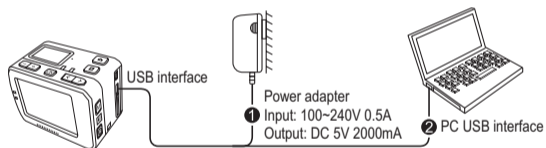
	Icon	Functions
1		Video mode
		Photo mode
2	1080P-50	Video resolution
	16M 12M 8M	Photo resolution
3	100-0088	Number of recorded files
	00:00:01	Recording timer
4	2H30	Remaining recordable time
	1888	Remaining shots
5	W M N S	View angle
6		Wi-Fi
7		Battery level

Preparations Before Use

Charging

To check battery power, turn the unit on. If the battery level is low, charge it.

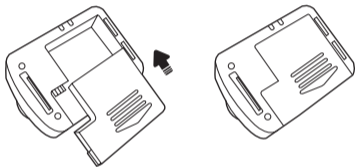
Use the supplied power adapter or a USB port to charge the S60:



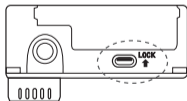
When the S60 is charged in a power-off state, the red indicator will flash slowly. After the battery is fully charged, the red indicator will stay on.

Installing the Battery

1. Before installing the battery, ensure that the battery "lock key" at the bottom of the S60 is unlocked.
2. Push the battery into the battery slot completely as below:



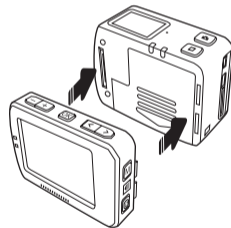
3. Battery lock:



Install TFT Display

The S60 supports an external, dedicated 2" TFT display which performs CX setup, playback, file deletion, etc. on the camera to preview or play the video back.

Install the display as shown below:



Insert and Remove The Memory Card

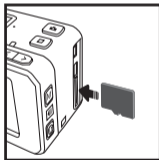
The S60 supports an external TF card up to 64G. Though all SD cards above Class 10 can be used on the S60, a high-speed card is recommended for high-definition shooting. When shooting during dynamic motion, brand SDHC cards are recommended for use.

Insert the memory card

1. Ensure that the S60 is switched off.
2. Insert the SD card flatly into the memory card slot, following the direction of the arrow. A "click" can be heard to indicate the card has been fully inserted.

- Remove the memory card

Press down on the center of the exposed part of the SD card and the card will pop up slightly. Slide the card 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 S60:





When the host is in a power-on state, you can long-press the Shutter button and Stop button simultaneously for 5s to turn off the host. After closing the host, you can long-press the Shutter button and Stop button simultaneously for 5s to turn it on.



- Two red indicators will be lit.
- The S60 enters recording standby mode. Now TFT display is shown as below:



Language

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

Date/Time

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

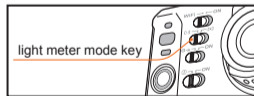
standby mode.

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

ⓘ Please ensure that the date and time are correctly set. This unit will add time 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 and 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 S60 will actively sense the change of gravity. The system will automatically start video recording in case of shock or tilting, etc. When this mode is applied in fixed installation, mounted on a vehicle or helmet for example, it can start video recording automatically without the need to start recording in advance. Using this option frees you from manual operation while conserving battery power.

If the camera does not sense a change in gravity after 3 minutes, it will exit video recording.

ⓘ During the camera's startup process, do not activate the G-sensor function simultaneously to prevent error.

Video Modes

Basic Operations of Video Recording

1. Turn on the S60 to enter recording standby mode.
2. Aim the lens on 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 the start of video recording.

The TFT display shown below is for video recording:










4. During video recording, press the "Stop" button once to stop video recording.
 - The system generates a tick tone twice to indicate that video recording stops. The time counter also 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 the "M" button to enter the setting menu.
2. Press "+" / "-" to select "."
3. Press "<" / ">" to move the cursor to the sub-menu you want to configure. Press "OK" to enter the sub-menu:

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

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

• Execution Mode

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



: Video recording



: Video-only



: Voice recording



: Time Lapse



: PIV



: Auto video

• Video-Only Mode

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

• Time Lapse Mode

The time Lapse function records one picture as a frame of the video according to the time interval you set. It doesn't require post-editing and can easily capture continuous frame evolution and movement.

The available options are: 1s, 2s, 5s, 10s and 30s.

(The function is unavailable in 720P 100f/120f modes.)

• Auto Video Mode

If this function is enabled, the system auto-starts recording video according to the countdown time you set.

The available options are: 5s, 10s and 20s.

• PIV(Photo in video)

In this mode, you can shoot photos in the video recording process.
(The function is unavailable in 720P 100f/120f modes.)

Manual photo shooting (): Press "Shutter" button during video recording to take one photo.

Auto photo shooting: During video recording, the system continuously performs photo shooting at the set time interval.

There are four options of time interval: 5s, 10s, 30s and 60s.

• Video Resolution

The optional resolutions for video recording are listed as below:

Resolutions	PAL System	NTSC System
1080P(16:9) 1920x1080	24fps, 25fps, 48fps, 50fps	24fps, 30fps, 48fps, 60fps
960P(4:3) 1280x960	48fps, 50fps	48fps, 60fps
720P(16:9) 1280x720	50fps, 100fps	60fps, 120fps

• View Angle

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

(The function is unavailable in 960P and 720P modes.)

 Broad



 Medium





 Narrow



 Small



• Bitrate

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

• Video Content Loop

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

• 180° Photo Rollover

When this function is activated, an upright video file can be obtained when using the S60 to shoot video upside down. (The function is unavailable in 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 720P 100f/120f modes.)

Audio Record

Operating procedures for audio recording:

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



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

Exit audio record mode:

1. Press "M" button to enter the camera setting menu;
2. Press "<" / ">" to select "📹" and press "OK" to confirm;
3. Press "<" / ">" to select "📹" mode and press "OK" to confirm. The S60 will return to recording standby mode.

Photo Modes

Operating Procedure for Photo Shooting

1. Turn on the S60 to enter recording standby mode.
2. Aim at the subject and preview it on the display.
3. Press the "Shutter" button once to switch the working mode to "photo modes."
4. Press the "Shutter" button again to shoot one photo.
 - The system will click to indicate a completed operation and then returns to photo shooting standby mode.
 - The TFT display in photo shooting mode is shown below:



Parameter Settings for Photo Shooting

Perform the following steps to set the parameters for photography:

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

Icon	Functions	Icon	Functions
	Capture mode		Photo resolution
	Display time		

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

• Capture Mode

Select the capture mode you require and press "OK" to confirm. Press the "M" button again to exit the setting menu.

- : Single shot mode
- : Fast shot mode
- : Continuous Shooting Mode
- : Timed shooting mode

- **Single Shot Mode**

Take one photo when the photo shooting button is pressed.

- **Fast Shot Mode**

The S60 takes several photos within one second.

The available options are: 3/1s, 6/1s, 8/1s (photos per second).

- **Continuous Shooting Mode**

In this mode, you can shoot photos continuously as per the preset time interval until you press the "Stop" button.

The available options are: 0.5s, 1s, 2s, 3s, 5s, 10s, and 20s.

- **Timed Shooting Mode**

When the "Shutter" button is pressed once under the recording standby mode, the S60 will start a countdown and take photos when the set time has elapsed.

The available options are 3s, 5s, 10s.


- **Photo Resolution**











Three optional resolutions include: "8M", "12M" or "16M".

- **Display Time**

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

Settings

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

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 sound level of the buzzer. Three modes are available: Off, Medium(50%) and Standard(100%).

- **Status Indicator**

Activate or deactivate the status indicators.

Three modes are available: Off (All OFF), Two (Only front cover and top cover) and On (All ON).

- **On Screen Display**

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

- **Auto To Standby**

The S60 is set to automatically enter standby mode if no operation (photo shooting, video recording or button operation) is carried out over a certain length of time. If an operation is completed in the timing process, the timer will be reset. Under standby mode, press the video recording button/shutter button/stop button to awaken the S60. The available modes options are: Off, 2 minutes, 5 minutes and 10 minutes.

- **TV Output Format**

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

Please select NTSC in North America.

Please select PAL outside North America.

- **Format**




This option clears all the files in memory.


- **Recover Factory Setting**

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


Playback

Operating Procedure for Playback

1. Press the "playback" button to enter the playback interface.
 2. Press the "Video recording" button to select file type and press "OK" to confirm:
 -  : View video files
 -  : View photo files
 -  : View all video/audio/photo files
 3. Press "<" / ">" / "+" / "-" button to move the cursor to the thumbnail of the file you want to play back;
 4. Press "OK" to enter the playback interface and press "OK" to play it.
- When playing video files, there are various functions available to you. These and their corresponding button are listed below:


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

- When reviewing photos, there are various functions available to you. These and their corresponding button are listed below:

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

Autoplay: If this function is enabled, previewing image enters into autoplay state.

- When playing audio files, there are various functions available to you. These and their corresponding button are listed below:

Button	Functions	Button	Functions
-	Decrease volume;	+	Increase volume;
	Press it to return to the file preview 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 the "M" button to enter file operation mode and move the cursor to "Delete file."
- Press "OK" to confirm.
- Move the cursor to "delete single"/"delete all" and press "OK" to delete the file(s).



: Delete single



: Delete all

• File Protection and Unlocking

- Under file playback or thumbnail preview mode, move the cursor to the file icon you want to protect.

2. Press the "M" button to enter file operation mode and move the cursor to "file protection."
3. Press "OK" to confirm.
4. Select protection type and press "OK" to confirm:

 : Protect single

 : Protect all

 : Unlock single

 : Unlock all

ⓘ Protected files cannot be deleted. However, these files can be deleted by formatting.

Upload Audio/Video/Photo Files to PC

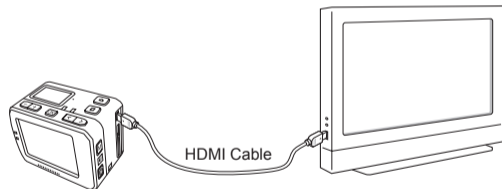
1. Use a USB data cable to connect the camera to a PC.
2. Switch on the S60.
3. Click the "My Computer" icon on the desktop and find the "Removable Disc" icon. If the camera is not detected, close the "My Computer" window and reopen it after waiting several moments. "Removable Disk" should now be displayed.
4. Double click the "Removable Disc" icon.
5. Copy/move the file to the PC's hard drive.

View Video/Photo On HDTV

The recorded file can also be played on TV or displayed with an HDMI interface.

Ensure that your camera is properly configured to the NTSC (North America) or PAL (Non-North America) video format. Video and images on the S60 cannot be properly displayed on-screen if the camera has not been configured.

Use an HDMI cable to connect the S60 to the TV set:



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


Wi-Fi

With an integrated Wi-Fi module, the S60 can connect to a Wi-Fi remote control, smartphone, or tablet PC to achieve remote control function. First, please install the appropriate APP software provided by Hitec/AEE on your device.

• Download a Wi-Fi APP

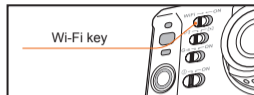
The Wi-Fi APP is available for free download in the iPhone App store and Google Play Store.


1. Android users: In the Google Play Store, search "AEE APP" (quotation marks needed). Once found, download, install, and connect it to Wi-Fi according to the user manual.
2. iPhone users: In the iPhone App store, search AEE. Once found, download, install, and connect it to Wi-Fi according to the user manual.

APP icon: 



• Wi-Fi Starting and Connection

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



The blue indicator will begin flashing and the Wi-Fi signal icon "  " can be seen on the upper left corner of the TFT display.

ⓘ Do not key in any operations while waiting for the Wi-Fi function to connect or disconnect.

2. Turn on your camera and wait until the blue Wi-Fi indicator flashes slowly. Search for a Wi-Fi hot spot on a mobile receiving device, select the "AEE Magicam" network and connect it (default password: AEE12345). The camera and the 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 connecting 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 (Android version).



Fig. 1 Wi-Fi Connection Interface



Fig. 2 Wi-Fi Control Interface

1. Total number of files
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 control your camera remotely by clicking the icons on 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 distance of max. 100 meters from the S60 in an obstacle-free and horizontal angle.
- ❗ The real-time preview is unavailable for video recording 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).

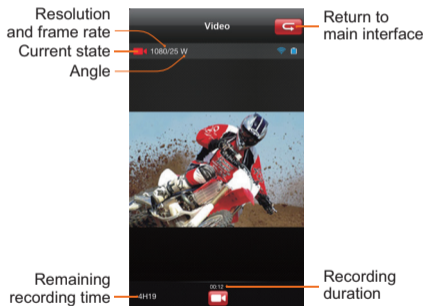


Fig. 3 Video Recording Mode

You can set up your desired video 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).

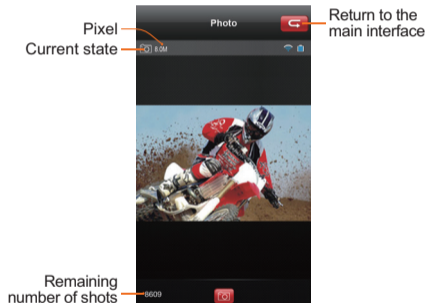


Fig. 4 Single Shot Mode

You can set pixilation 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).

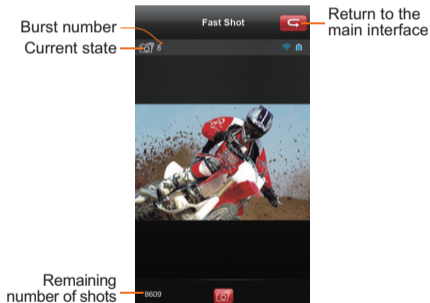


Fig. 5 Fast Shot Mode

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 and view videos and photos remotely.

- 1.Camera storage
- 2.Mobile device storage

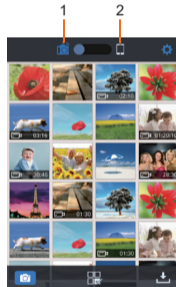


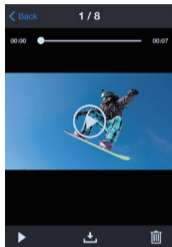
Fig. 6 Playback Interface

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 it in large preview. You could slide it left or right to select the desired file.



Photo Preview



Video Preview

Click the icon " < Back " 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 to your mobile device.



Files downloaded

Files in waiting

Files in downloading

Download all the files from your remote camera to the mobile device.

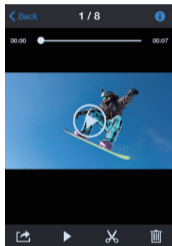
Cancel all downloads

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 on social networking websites.

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




Photo Preview




Video Preview


Click the icon "  " to view the current file information.

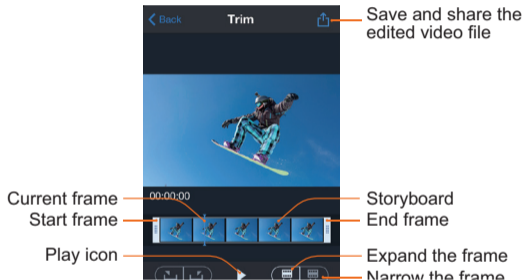
Click the icon "  " to enter the video trimming interface.

("  " iOS version)

Click the icon "  " to share the current file on 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 extract a clip from the video to generate another video by changing the starting frame and ending frame. Select one of the two methods described below to change the starting frame and ending frame:

Method 1: Change the starting frame and ending frame by directly dragging the time frame panel to the desired frame. (Click the Play key for previewing until the best location is selected).


Method 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. To 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 access the removable disk and then open the " " WiFi.conf file in the folder "MISC." Locate "AP_SSID=AEE Magicam." Change the content following the equal sign "=" to your desired name and save it.

2. To 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 access the removable disk. 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.




- ❗ When the camera and the Wi- Fi based remote control are synched in operation, hosts will give priority to the operation command from the camera.
- ❗ Above images for reference only.

Wi-Fi Based Remote

Guide for Components



Buttons	Functions
	Long-press for 5s to turn on/off the Wi-Fi based remote control.
	Under photography mode, press once to switch the current mode to the video recording mode.
	Under video recording mode, press once to start video recording.
	After entering the mode selection state, press to select the option above.

	Under the video recording mode, press once to switch the current mode to the photography mode.
	Under photography mode, press once to take a photo.
	Long-press for about 2s to enter the mode selection state.
	Select your desired mode and press to enter.
	During video recording, press to stop video recording.
	After entering the mode selection state, press to select the option below.
	X1 Press once to switch the viewing angle of the camera to wide angle.
	X2 Press once to switch the viewing angle of the camera to medium angle.
	X3 Press once to switch the viewing angle of the camera to narrow angle.
X4 Press once to switch the viewing angle of the camera to small angle.	

- ① Viewing angle switch buttons in the remote control can only be used in 1080p mode.
- ① When the DRC10 accidentally crashes in use and does not follow normal shut-down, press the "Wide view" and "Small view" keys to force shutdown.

Startup

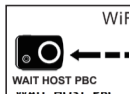
Long-hold the "Power / Record" button for 5s to start the Wi-Fi based remote control.

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 complete the pairing process before enabling the remote control functions. Steps for pairing between the Wi-Fi based remote control and the camera are as follows:

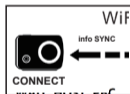
1. Turn on the camera and activate the Wi-Fi function.
2. First, press and hold the "Stop" button on the Wi-Fi remote control. Next, long-press "Power / Record" for 5s to start the remote control. The red power indicator will stay on and the screen will display the battery icon "🔋."
3. Long-press the "Power/Record" and "Stop" buttons and do not release them until the "WAIT HOST PBC" icon appears.



4. Press the "Stop" button on the camera once and the Wi-Fi remote control screen will display the icon below:



5. Press the "Stop" button on the Wi-Fi remote control and the remote's screen will display the icon below:



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



Specifications

Description	Specification
Charging time via USB	2.0 hours (max.)
Battery capacity	500mAh
Power consumption	0.30W - 0.35W
IP rating	IP66
Remote control distance	About 120 meter
Specification of USB	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; do not drop or otherwise structurally impact this product.
2. The remote control should not be kept in proximity to objects with high- intensity magnetic fields such as magnet and electric motors,

or to objects that send out strong radio waves such as antenna.

Strong magnetic fields may result in failure of the remote control.

3. Do not put the remote control in a place subject to high temperature or direct sunshine.
4. Store the remote control in a cool, dry and dustless place.
5. This product is not designed for auto standby. If it sits idle for a long time after startup, please turn off power to the remote control.
6. The remote control is only able to connect to one host at a time. It cannot connect to multiple hosts simultaneously.
7. If the remote control disconnects abnormally and no longer functions as normal, simply reboot the device to put it back to use.
8. Do not operate the remote control while it's being charged.
9. If you activate the video recording function in the host with a remote control, simply press "Stop" on the remote to stop recording. Do not press the "Stop" button on the host to stop recording.

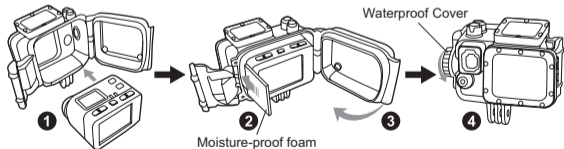
Accessory Application

The S60 is suitable for handhold use or hand-free use in most locations with the help of appropriate accessories. When the S60 is fitted with water-proof housing, it can be used to record videos underwater.

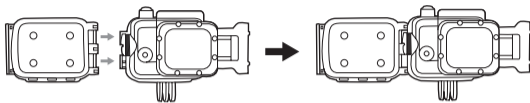
Water-proof Housing and Moisture-proof Foam

S60 water-proof housing up to IP68 can protect the camera 100 meters underwater. In order to avoid and reduce the dewing on the glass of the water-proof house, we suggest inputting the moistureproof cotton inside the water-proof case in big temperature range environment.




Follow these steps to load S60 into water-proof housing:



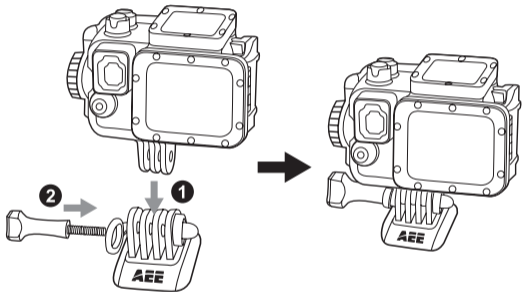
Follow these steps to assemble the waterproof housing rear case:



You can choose different waterproof covers in accordance with your needs:

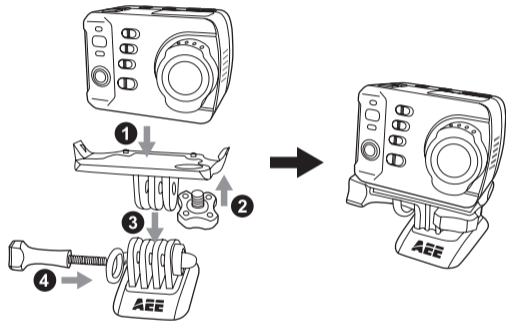
Standard Waterproof Cover	Waterproof Cover with Hole	Waterproof Cover with Microphone
		
High waterproof protection standard. Used for diving, swimming, surfing, etc.	Rainproof function with excellent audio recording effect.	Rainproof function with external microphone and excellent audio recording effect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

The plug bracket affixes the S60's water-proof housing firmly onto the sticky seat:



Mount Plug Bracket Components

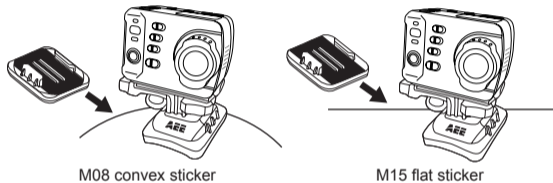
The plug bracket affixes the S60 firmly to the sticky seat.



Use Curved Adhesive and Flat Adhesive

The S60 comes with curved adhesive and flat adhesive for installation on different surfaces.

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



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

1. Before using 3M double-sided foam tape, select an appropriate curved or flat surface where the tape can adhere smoothly to the surface.
2. Before using 3M foam tape, clean the surface to be adhered to.
3. Before applying 3M foam tape, we suggest you heat its surface properly (a hairdryer may be used), especially when the temperature is below -20°C .

Specifications

Description	Specifications
Visual angle	140°
Aperture	f/2.7
Digital zoom ratio	4X
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	8MB Flash Memory (not for photo shooting or video recording); up to 64GB external Micro SD card
Standard battery capacity	1500mAh
Power consumption	600mA
Recharging duration	Power Adapter: About 3.0 hours
	USB Cable: About 3.5 hours
Maximum video recording time	About 3.0 hours (Max.)

Maximum audio recording time	About 3.5 hours (Max.)
TFT Display	2.0" true color TFT display (16:9)
LED 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 × W35 × H43mm (including TFT screen)
	L59 × W23 × H43mm (excluding TFT screen)
Unit weight	113g (including TFT screen and battery)
	84g (excluding TFT screen and battery)

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

Power Supply

The S60 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 rise. This is normal.

Precautions for The Waterproof Housing

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

1. Do not randomly remove or change the O-ring, key, or lens cover. Otherwise, the waterproof performance deteriorates.
2. Do not store the waterproof housing in a place with corrosive gases due to strong acid or alkali. Do not put 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 temperatures are high (50°C) or low (-10°C) to avoid deformation.
4. Do not expose the S60 video camera to sunshine to avoid deterioration of its waterproof performance.
5. Before use, ensure that the O-ring is intact, the seal is clean, the housing is fully sealed, and the buckle is tight.
6. After using the housing in salt water, wash it clean using fresh water, dry it, and store it in a temperate place.

Tips

1. When the unit is in use for a long period of time, its surface temperature will rise.
2. If you do not plan on using the unit for a long period of time, it is suggested that you charge it once every 6 months to maintain optimal battery performance.
3. Use of the digital zoom function during shooting will have a slight impact on image quality.
4. Visual angles under different modes will be differ slightly.
5. To play a high-definition video file, it is suggested you use a PC or other professional device.
6. If you enable the cyclic recording function over a long period or frequently shoot/delete photos, the memory card may retain data fragments that prevent photo storage or picture taking. Please back-up the data to an external storage medium and perform the formatting operation on the memory card.
7. When the camera is being used in a high-temperature environment, the lattice screen may become black. This is a normal phenomenon and will not affect functioning.

8. When the camera is in use over a long time, the temperature of the metal parts near the lens may rise. This is a normal phenomenon, but please do not touch the heated metal parts.
9. Hot plugging is not supported. If the screen goes white, please restart the camera to return to normal.
10. The main unit can be operated normally during charging, but this may reduce the service life of both the battery and the device.

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.

HiTEC | **AEE**



Recording Equipment

■ ■ □ The leader of recording equipments