

Parameter setting for photo shooting

Follow these steps to set the parameters for video recording:

1. Press "M" key to enter the setting menu;
2. Press "<" / ">" key to select "  ";
3. Press "+" / "-" key to move blue cursor to the sub-menu you want to configure;
4. Press "OK" key to enter the sub-menu;
5. Press "+" / "-" key to select the parameters you want;
6. Press "OK" key to confirm;
7. Press "M" key again to exit the setting menu.



• Resolution for photo shooting

Three optional resolutions include:

- 8.0M (3200x2400 4:3)
- 5.0M (2592x1944 4:3)
- 3.0M (2048x1536 4:3)

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- **Photo shooting modes**

Single shot: default, take one photo when the photo shooting key is pressed;

Burst: S50 takes several photos within one second;

Continuous capture: S50 takes one picture at each specified interval until the "stop" key is pressed to cancel it;

Self-timer: when it reaches the configured delay after pressing the "Shutter" key, S50 will take the next photo.

- **Burst per second mode**

Please set the photo shooting mode into "Burst" before using this function.

Set the number of photos taken by S50 in one second.

 : 3 photos in one second;

 : 6 photos in one second;

 : 10 photos in one second;

- **Automatic continuous capture:**

Please set the photo shooting mode into "continuous capture" before using this function.

Press the "Shutter" key under recording standby mode and S50 will take one photo at each specified interval until the "stop" key

is pressed to cancel it.

-  : Take one photo every 0.5 second.
-  : Take one photo every 1 second.
-  : Take one photo every 3 seconds.
-  : Take one photo every 5 seconds.
-  : Take one photo every 10 seconds.
-  : Take one photo every 20 seconds.
-  : Take one photo every 30 seconds.
-  : Take one photo every 60 seconds.

- **Timed shooting:**

Please set the photo shooting mode into "self-timer" before using this function.

When the "Shutter" key is pressed once under recording standby mode, S50 will start countdown and take a photo at the set time.

-  : Take one photo 3 seconds after the "Shutter" key is pressed.
-  : Take one photo 5 seconds after the "Shutter" key is pressed.
-  : Take one photo 10 seconds after the "Shutter" key is pressed.

- **Display time on photos**

You can choose to display or not display the photo shooting time at

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the bottom right corner of the photo.

 : No photo shooting date and time will be displayed at the bottom right corner of the photo

 : Photo shooting date and time will be displayed at the bottom right corner of the photo

Playback

Operating procedure for playback

1. Press the "playback" key to enter playback interface;
2. Press "<" / ">" key to select the file type and press "OK" key to confirm;
 -  View video files
 -  View photo files
 -  View all video/audio/photo files
4. Press "<" / ">" / "+" / "-" key to move the cursor to the thumbnail of the file you want to play back;
5. Press "OK" key to enter the playback interface and press "OK" key to play it.

When playing video files, the functions of various keys are listed as

below:

Keys	Functions	Keys	Functions
-	Decrease volume;	+	Increase volume;
<	Fast backward;	>	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 keys are listed as below:

Key	Functions	Key	Functions
-	Zoom out; In zoom-in mode, when you press "OK" to lock a photo ("  " icon displayed in the upper right corner), you can press "-" to move the photo downward;	+	Zoom in; In zoom-in mode, when a photo is locked, press "+" to move the photo upward;

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<	In zoom-in mode, 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, press ">" to move the photo leftward; When a photo is displayed in its actual size, press ">" to view the next photo;
OK	In zoom-in mode, press it to restore the photo to its actual size; When a photo is displayed in its actual size, press it to preview photos in thumbnails.	OK	When a photo is displayed in its actual size, press "OK" to rotate it; In zoom-in mode, when you press "OK", the "锁" icon will appear in the upper right corner, indicating the zooming function is locked.

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

Keys	Functions	Keys	Functions
-	Decrease volume;	+	Increase volume;
OK	Reset to play it from the beginning. Press it again to return to the playback interface;	OK	Play/pause.

Delete files

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

 : Delete a single file
 : Delete all

File protection and unlocking

Move the cursor to "file protection" and press "OK" key to enter file protection interface. Select protection type and press "OK" to confirm:

 : Protect single
 : Protect all

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 : Unlock single

 : Unlock all

! Note: the protected file cannot be deleted. However, such file can be deleted by formatting.

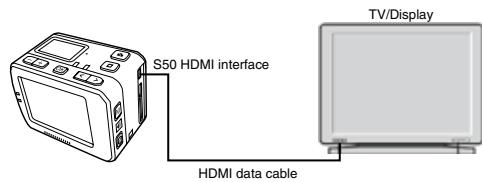
Upload audio/video/photo files to PC

1. Use USB line to connect the camera to a PC;
2. Switch on S50;
3. Open "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 file can also be played on TV or display with HDMI interface.

Use HDMI cable to connect S50 to the TV set:



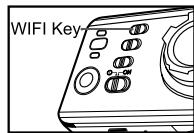
! Note: ensure that your camera is properly configured to NTSC (North America) or PAL (Non-North America) video format; otherwise, the video and images on S50 cannot be properly displayed on TV.

WI-FI

With integrated Wi-Fi module, S50 can be connected with Wi-Fi remote control, smart phone or tablet PC to achieve remote control function. First please install appropriate APPI software provided by AEE to your device.

Switch on Wi-Fi

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:

- Turn on your camera and DW10, wait until the blue WiFi indicator flashes slowly. Search for WiFi hot spot on a mobile receiving device, select "xxxxxxxx" network and connect it (default password:00000000). Then the camera and the mobile device are connected.
- Click the App icon " " on the mobile device to display the

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icon () shown in Fig. 1. Enter the interface shown in Fig. 2 to remotely view your camera's screen and set up parameters.

! Note: In case of WiFi 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 (no other operation is supported).

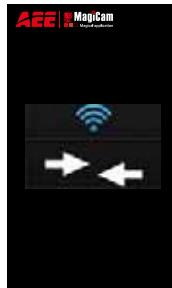


Fig. 1 WiFi Connection Interface

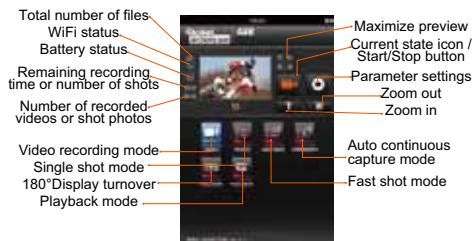


Fig. 2 WiFi Control Interface

Note:

1. You can remotely control your camera by clicking the icons at the main interface.
 - 2H30**: display the remaining recording time in video recording mode;
00:00: display the remaining number of shots in photo shooting mode.
 - 00:00**: display the number of recorded videos in video recording mode;
00:00: display the number of shot photos in photo shooting mode.
2. The mobile device must be used within a distance of max. 40 meters from the DW10 in an obstacle-free and horizontal angle.

Operating Instructions for WiFi Control Interface

1. Video Recording
<p>Click the Video recording mode icon "  ". The current state icon will display as "  ", click it to start / stop video recording.</p> <p>Click the icon "  " to maximize the preview (See Fig. 3).</p> <p>Resolution and frame rate Current state Angle</p> <p>Remaining recording time</p> <p>Return to main interface</p> <p>Recording Duration</p>  <p>Fig. 3 Video Recording Mode You can set up your desired recording resolution in the parameter setting interface. The options are 1080P,720P, 480P/50fps,480P/60fps .(1080i/50fps,1080i/60fps,960P,480P/100fps,480P/120fps are not available.)</p>

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.

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4. Auto Continuous Capture

Click the Auto continuous capture mode icon "  ", it will turn blue "  ". The current state icon will display as "  ", click it to make the camera take a picture at each interval until you press the current state icon to stop shooting.

Click the icon "  " to maximize the preview (See Fig. 6).



Fig. 6 Auto Continuous Capture Mode

You can set the shooting interval in the camera setting interface.

5. Playback

Click the icon "  " to enter the interface shown in Fig. 7 to remotely play videos and photos.



Fig. 7 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 / Media sharing interface.
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 left and right to select the desired file.

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In the large preview mode:
Click the icon “ ” to return to the thumbnail preview interface.
Click the icon “ ” to share the current file to a social networking website or send it by E-mail.
Click the icon “ ” to transfer and play the current file on a DMR device.
Click the icon “ ” to download the current file to your mobile device.
Click the icon “ ” to delete the current file.



Click the icon “ ” to view the current file information.
Click the icon “ ” to enter the video trimming interface.

Note: please download it to the mobile device before editing any video file.

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.

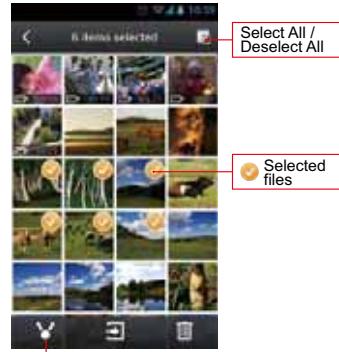


Download all the files from your remote camera to the mobile device

Cancel downloading

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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 or send them by E-mail.



Transfer Files to DMR Devices

Click the icon “” to enter the media sharing interface. Select one or more files and click the icon “” to enter the “Play to” interface. Select a device from the list to enter the file playing interface shown in the figure below.

Note: please make sure there is a DLNA* certified DMR device in the “Play to” list.



Click the icon “” to play or pause playing the selected file.

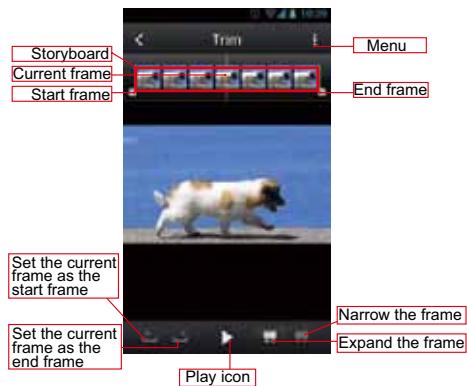
Click the icon “” to play the previous file.

Click the icon “” to play the next file.

Click the icon “” to return to the “Play to” interface.

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:



Explanations for Video Trimming

By modifying the start frame and end frame of a video, you can trim a part of such video and save it as a new video file. Below are two suggested methods:

- Method 1: drag to select the start frame pointer and end frame pointer in the Storyboard, click the play icon to preview the selected part, and adjust the start frame and end frame to your desired position.
- Method 2: click the icon "■" to set the current frame as the start frame, then drag the storyboard to change the current frame position, and finally click the icon "■" to set the current frame as the end frame.

Click the icon "■" to save and share the trimmed video.

Save: save the trimmed video to the mobile device.

Share: share the trimmed video to social networking websites or send it by E-mail.

Change WiFi Connection Name and Password

1. Change the WiFi 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 "ESSID=00000000" and "AP_SSID=00000000". Change the content following the equal sign "=" to your desired name and then click "Save". (Note: the name following "ESSID=" should be exactly same as that following "AP_SSID=").

2. Change the WiFi 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 "PASSWORD=00000000" and "AP_PASSWD=00000000".

Change the content following the equal sign “=” to your desired password (containing at least 8 digits) and then click “Save”.
(Note: the password following "PASSWORD=" should be exactly same as that following "AP_PASSWD=").)

● Note: if the TF card is formatted, you need to reconnect AEE DW10 to your camera in order to find the folder “MISC” and change the name and password.

Tips:

1. If AEE DW10 has any fault, please long press the power key for 10s or so to reset and restart it.
2. In order to ensure AEE DW10's normal work, we suggest you use a TF card with Class-10 or above data rate for your camera.

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Other basic setting

Enter "  " setting menu to set the following options:

Warning tone

Adjust the loudness or mute of buzzer.

 : OFF

 : 50%

 : 100% (default)

Front status indicators

Activate or deactivate the status indicators.

 : All OFF

 : Only 2 indicators on top of S50 ON

 : All ON

Caption displayed on the image

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

 : OFF

 : ON

Loop recording

You can activate or deactivate loop recording function. If ON, video file will be automatically stored in segment of 15 minutes; If OFF, video file will be stored in segment of 30 minutes t.

- : OFF
- : ON

Auto standby

S50 is set to automatically enter standby mode if no operation is (photo shooting, video recording or button operation) 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 key/shutter key/stop key to awaken S50.

- : OFF
- : 2 minutes
- : 5 minutes
- : 10 minutes

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TV output format

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

Please select NTSC in North America.

Please select PAL in non-North America areas.

Restore factory settings

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

After that, the menu will be displayed in English status and the time will be set as 2013/01/01 00:00.

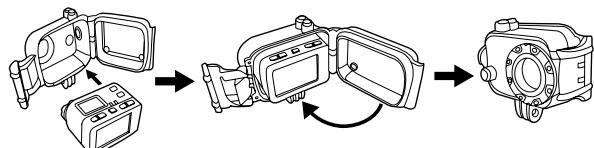
Accessory application

S50 is suitable for handheld use or hand-free use at most places by using appropriate accessories. S50 fitted with water-proof housing can be used to record videos underwater.

Water-proof housing

S50 water-proof housing up to IP68 can protect the camera 100 meters underwater.

Follow these steps to load S50 into water-proof housing:

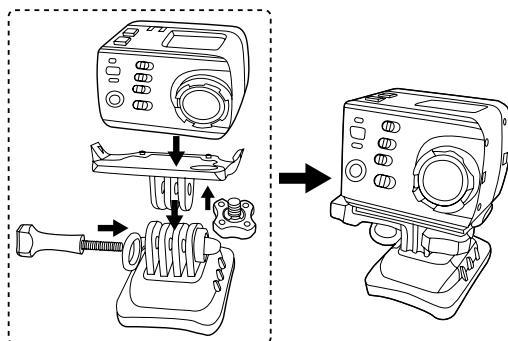


1. Place the camera into the protective housing.
2. Close the cover.
3. Press the buckle into the slot in the rear cover.

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Mount plug bracket components

The plug bracket can fix S50 firmly onto the sticky seat.

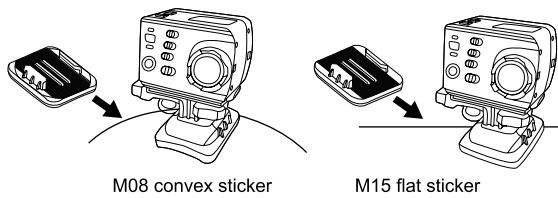


Use convex sticker and flat sticker

S50 comes with sticker fitting and flat sticker for installation on different surfaces.

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



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 its surface properly (electric blower may be used), especially when the temperature is below -20°C.

Specifications

Description	Specifications
Visual angle	175 °
Aperture	f/2.8
Digital zoom ratio	10 x
Pixel	8 million
Video recording format	MOV
Audio recording format	WAV
Photo format	JPG (JPEG)
Storage medium	64MB Built-in flash memory (not for photo shooting or video recording); up to 64GB external Micro SD card
Standard battery capacity	1500mAh
TFT Display	2.0" true color TFT display (16:9)
Resolution	960×240
LCD segment display	90×64 mm FSTN (lattice screen)

Operating platform requirements	Operating system: Windows XP SP2/Vista or above / Mac OS; CPU: Pentium 4 1.5G or above RAM: 1GB
Storage temperature	-20°C ~ 60°C
Working temperature	Working temperature
Working humidity	Working humidity
Overall dimension (including TFT screen)	Overall dimension (including TFT screen)
Overall dimension (excluding TFT screen)	Overall dimension (excluding TFT screen)
Unit weight	113.6g (including TFT screen and battery)
	53.7g (excluding TFT screen and battery)

! Note: As our products undergo continuous development, the specifications are subject to change without prior notice.

Tips

1. When the unit is in used for long period, it is natural that its surface temperature will rise.
2. If you will not use the unit for long period, it is suggested that you charge it once every 6th month to maintain the performance of battery.
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 cyclic recording function for long period or frequently shoot/delete photos, the memory card may have data fragments so that you may not be able to store or shoot photos. Please back up the data to external storage medium and perform formatting operation to the memory card.

FCC 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS OR CHANGE TO THIS EQUIPMENT. SUCH MODIFICATIONS OR CHANGE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.