



MD10



HiTEC

AEE

MO Action Camera
■ ■ □ Envision



Contents

Precautions.....	6
Preface.....	7
Warranty	8
Overview.....	8
Main Functions and Features.....	8
List of Accessories	11
Component Guideline	13
Description of Indicators	14
LCD Segment Display	15
Preparations Before Use.....	16
Charging.....	16
Insert and Remove the Memory Card	16
Startup.....	17
Voice-Activated Power-On.....	18
Language.....	18
Date and Time	19
Video Mode Selection and Application....	20
Video Mode Selection	20
Video Recording	21
Video Recording.....	22
Video Only.....	22
Voice Recording.....	22
Time Lapse	22
Timed Recording.....	23
Shoot-In-Recording.....	23

Photo Shooting	24
Single Shot.....	24
Fast Shot.....	24
Continuous Shooting.....	24
Timed Shooting	25
Parameter Settings	26
Recording Parameters	26
Time Lapse	27
Timed Recording.....	27
Shoot-In-Recording.....	27
Resolution Setting.....	28
View Angle	28
Video Content Loop	29
180° Image Rollover.....	29
Display Time.....	29
Shooting Parameters	30
Fast Shot.....	30
Continuous Shooting.....	31
Timed Shooting	31
Shooting Resolution.....	31
Display Time.....	31
Basic Settings	32
Warning Tone	33
Status Indicator	33
On-Screen Display.....	33
Auto Standby.....	33
TV Output Format	33
Format.....	33
Recover Factory Settings.....	33

Playback	34
Upload (Audio/Video/Photo) Files to PC .	34
View Video/Photo On HDTV	34
Wi-Fi	35
Download Wi-Fi App	35
Switch on Wi-Fi.....	36
Wi-Fi Control Interface	39
Download Files to Mobile Device	44
Trim Videos	46
Wi-Fi Connection Name & Password	47
Wi-Fi Based Remote	48
Guide for Components	48
Start-Up	50
Pairing	50
Specifications	52
Precautions	52
Accessory Application	53
Waterproof Housing & Anti-Fog Inserts ..	53
Installation of Back Clip	55
Use of Convex Stickers & Flat Stickers ...	56
Precautions for the use of 3M double-sided foam tape:.....	56
Precautions for The Waterproof Housing	57
Specifications	57
Tips	58
FCC Notices	59
Support	61

Precautions

When using the MD10 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 a strong magnetic field, like a magnet or motor. Do not put the video camera close to an object that emits powerful radio waves like, for example, antenna. A strong magnetic field may cause interference for the video camera or damage to image / voice data.
3. Do not expose the video camera to extreme temperatures or direct sunshine.
4. Do not put the memory card close to an object that generates strong magnetic fields, like a television set, speaker, or magnet. Do not put the memory card in a place subject to static electricity.
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 your Hitec AEE MD10 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 thanks to its dynamic HD shooting technologies that provide the user with an exciting video shooting experience.

This manual describes how to install and use the MD10 video camera. It also provides information about the use, operation, installation precautions, and technical specifications of the MD10 video camera. Before using the MD10 video camera, read this manual carefully and keep it handy for future reference. Designed to professional standards, the Hitec AEE MD10 video camera will meet the requirements of even the most discerning user.

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).

Overview

As a small UHD digital video recorder with advanced Wi-Fi function, the AEE MD10 provides such industry-leading functions as HD digital photography, voice storage, real-time display, video recording, photo shooting, time display, wireless remote control (optional), Wi-Fi wireless transmission, high-speed mini USB data transmission and mini USB charging. Equipped with professional accessories, the MD10 allows you to record whatever you like, anytime, anywhere. The MD10 carries several patents for invention and technology

Dispose of properly. Recycle it for a greener earth!



Main Functions and Features

- Equipped with a special-purpose HD lens, which supports. 1080P and 720P HD video recording.
- Takes 8M pixelated pictures in 3200 x 2400 resolution.
- Provides extended capacity voice recording.
- Performs 4X digital zooming.
- LCD Screen.

- Wi-Fi function and more “app” application.
- Voice-activated video recording function with long standby time.
- A multifunctional back clip, dual-pin back clip, sport back clip, bracket and other professional accessories are available for your selection.
- Performs shooting in multiple modes such as single shot, fast shot, and timed shooting.
- Provides a unique fast-shot feature, capturing up to 8 photos per second.
- Provides better video effects in multiple video output modes (NTSC system):

1920×1080P 30 frames / second

1280×720P 60 frames / second

WVGA 120 frames / second

- Point-and-shoot operation with red and green work indicator
- Reads battery power and free storage space.
- High-speed dynamic recording quickly responds to light and shade.
- Provides high color definition for clearer and more realistic video feed.
- Small size, suitable for various applications.
- Provides HDMI for easy connection to an HD monitor or TV set to view record files.
- Records video programs in MP4 format to facilitate playback on a PC and uploading to video-sharing websites.

- Provides 180° photo rollover function.
- Optional RTC function adds date and time to photos and videos.
- Supports external T-flash (TF) cards for storage, up to 64 GB capacity.
- Provides automatic standby for power saving and can be set to auto- save audio and video data.

List of Accessories

MD10 Camera



Waterproof Housing *



Remote Control *



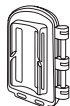
Camera Body Tray *



Back Shell for Back Clip *



Waterproof Back Shell with Strap *



Camera Body Clip Mount



Power Adapter *



Shoulder Clip *



Flat sticker



Convex sticker



Quick Release Buckle



Extended adjusting bolt unit



Moisture-proof foam *



Hand strap *



Cloth bag *



Micro SD card *



USB data cable



User manual

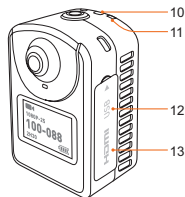
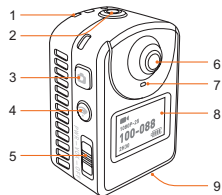


CD-ROM *



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



1. Recording status indicator
2. Record key
3. Shutter key
4. Wi-Fi key
5. Power key
6. Lens
7. Power/work state indicator

8. LCD screen
9. Micro SD card slot
10. Strap hole
11. Power indicator
12. USB port
13. Mini HDMI port

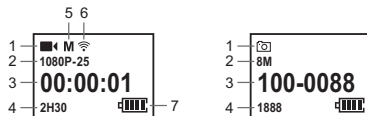
Description of Indicators

Indicator Function	Power Indicator	Recording status Indicator	Power/Work State Indicator
	Red	Green	Red and Green
Powering on	Remain on	/	/
Video recording	Remain on	Blink slowly	Blink slowly in green
Discontinuous recording	Remain on	Blink slowly	Blink slowly in green
Recording stopped	Remain on	/	Remain on in red
Photo shooting	Remain on	Blink once	Remain on in red
Continuous shooting	Remain on	Blink continuously	Remain on in red
Shooting stopped	Remain on	/	Remain on in red
Voice recording	Remain on	Blink slowly	Blink slowly in green
Low power	Blink quickly	/	Blink quickly in red
Being charged	Blink slowly	/	Blink slowly in red
Charging finished	Remain on	/	Remain on in red
Charging finished (powered off)	Remain on	/	Remain on in red

You can long press the Shoot key to switch to a **Power/Work State Indicator**.

LCD Segment Display

Explanations for Icons on LCD Screen:

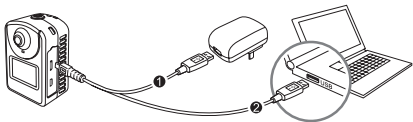


	Icon	Functions
1		Video modes
		Photo modes
2	1080P-25	Video resolution
	8M 5M 3M	Photo resolution
3	100-0088	Number of recorded files
	00:00:01	Recording timer
4	2H30	Remaining recordable time
	1888	Remaining shots
5	M N S	View angle
6		Wi-Fi
7		Battery level

Preparations Before Use

Charging

Use the supplied power adapter or USB port of a PC to charge MD10:



When the MD10 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.

Insert and Remove the Memory Card

MD10 supports an external TF card up to 64G. Though all SD cards above Class 6 can be used on the MD10, a high-speed card is recommended for high-definition shooting. When shooting during dynamic motion, brand SDHC cards are recommended for use to ensure smooth shooting.



- To insert the memory card, first ensure that the MD10 is switched off. Next, insert your SD card into the memory card slot in the direction of the arrow, keeping the card flat and pushing it to the end. A click will sound when the card has been inserted completely.
- To remove the memory card, press the center of the exposed part of your SD card and it will pop up slightly. Slide the card out.

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

Startup

Slide the Power key to "PWR".

- The power indicator will be lit.
- MD10 will enter the recording standby state and display the following interface:



❗ Press and hold Shutter and Wi-Fi keys to power On/Off. (Camera in power-on state.)

Voice-Activated Power-On

Slide the Power key to "VOX" and the MD10 will enter voice-activated mode. When the ambient decibel reaches 75db, the MD10 will begin recording. It may auto-stop recording 3min later if the ambient decibel becomes lower than 75db. In the recording process, you can press the Record key to stop recording without influencing any other function.



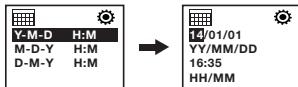
Language

To select the required language:

1. Long-press the Record key for 3s to enter full- screen mode.
2. Press the Shoot key or the Wi-Fi key to adjust the menu mode to " **M** " and then press the Record key.
3. Press the Wi-Fi key to move the cursor to " **⚙️** " and then press the Record key.
4. Press the Wi-Fi key to select " **🌐** " and then press the Record key.
5. Press the Wi-Fi key to select the required language and then press the Record key to confirm your selection.
6. Press the Shoot key to exit.

Date and Time

1. Long-press the Record key for 3s to enter the full-screen mode.
2. Press the Shoot key or the Wi-Fi key to adjust the menu mode to " **M** " and then press the Record key.
3. Press the Wi-Fi key to move the cursor to " **⚙️** " and then press the Record key.
4. Press the Wi-Fi key to select " **📅** " and then press the Record key.
5. Press the Wi-Fi key to select the required date format and then press the Record key to enter the following interface:



6. Press the Shoot key or the Wi-Fi key to adjust each value and then press the Record key to confirm the adjustment. The MD10 will auto-exit from the above interface when all adjustments are finished.
7. Press the Shoot key to exit.

Video Mode Selection and Application

Video Mode Selection

When the menu is displayed in full-screen mode, the main keys respectively perform the following functions:

Record key: Enter the menu item or confirm

Shoot key: Move to the previous option

Wi-Fi key: move to the next option

Note: you can press the Shoot key to exit from the functional parameter setting interface.



1. Long-press the Record key for 3s to enter the full screen mode:



2. Press the Shoot key or the Wi-Fi key to select a menu mode.
3. If no operation is performed within 3s, the MD10 will auto-enter the selected menu mode (or you can enter such mode directly by pressing the Record key). See the following explanations for menu icons:

Icon	Functions	Icon	Functions
	Video Record		Video Record w/o Audio
	Audio Record		Time Lapse
	Auto Record		Photo In Video
	Single		Burst
	Continuous		Timed
	Settings		

⚠ In the photo modes, you can press the Record key to switch to the last used video modes.

⚠ In the video modes, you can press the Shutter key to switch to the last used photo modes.

Video Options

Video Recording

1. Press the Record key to start the video recording and enter the following interface:



2. Press the Record key again to stop the video recording.

Video Only

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

1. Press the Record key to start video recording and enter the following interface:



2. Press the Record key again to stop video recording.

Voice Recording

1. Press the Record key to start voice recording and enter the following interface:



2. Press the Record key again to stop voice recording.

Time Lapse

This function allows you to record a photo as one frame of the moving image. That way, you can make a leaping video of continuous evolution and motion processes easily, without the post-editing help of software.

1. Press the Record key to start video recording and enter the following interface:



2. Press the Record key again to stop video recording.

Timed Recording

Users can set a time interval for timed recording. When you press the Record key with this option turned on, the MD10 counts down and then auto-starts video recording after the pre-set time has elapsed.

1. Press the Record key and the MD10 will auto-start video recording. When the pre-set time has elapsed, you will see the following interface:



2. Press the Record key again to stop video recording.

Shoot-In Video

In this mode, you can take photos during the video recording process.

1. Press the Record key to start video recording and enter the following interface:



2. Press the Shoot key to take a photo (in manual mode).
3. Press the Record key again to stop video recording.

- ❗ When you press the Record key in auto mode, the MD10 starts video recording while auto- shooting photos continuously per the preset time interval until you press the Record key again to stop video recording.

Photo Shooting

Single Shot

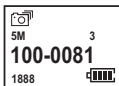
1. Press the Shoot key to take one photo. You should see the following interface:



Fast Shot

In this mode, you can take several photos in one second.

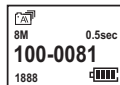
1. Press the Shoot key to take a group of photos at once. You should see the following interface:



Continuous Shooting

In this mode, you can shoot photos continuously under the pre-set time interval until you press the Record key.

1. Press the Shoot key to take photos continuously under the pre-set time interval. You should see the following interface:



2. Press the Record key to stop taking photos.

Timed

You can set a time interval for timed shooting. Then when you press the Shutter key, MD10 will start to count down and will automatically take photos when the preset time is up.

1. Press the Shutter key and the system will Shutter one photo when the preset time is up, enter the following interface:

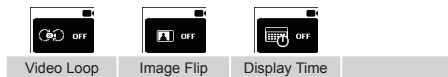
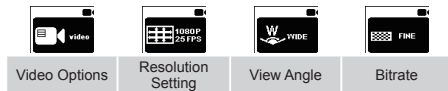


Parameter Settings

Recording Parameters

Please follow the steps below to set recording parameters:

1. Long-press the Record key for 3s to enter full-screen mode.
2. Press the Shoot key or the Wi-Fi key to adjust the menu mode to "M" and then press the Record key.
3. Press the Wi-Fi key to move the cursor to "▶◀" and then press the Record key to display the following functional icons:



ⓘ Note: You can enter "Recording Mode" to set such parameters as Time Lapse, Timed recording and Shoot-in-recording.

4. Press the Wi-Fi key to select the required functional icon and then press the Record key.
5. Press the Wi-Fi key to select the required functional parameter and then press the Record key to confirm your selection.
6. Press the Shutter key to exit.

Time Lapse

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

Timed Recording

- 5sec:** Start the video recording 5s after you press the Record key.
- 10sec:** Start the video recording 10s after you press the Record key.
- 20sec:** Start the video recording 20s after you press the Record key.

Shoot-In Video

- HM:** Shutter a photo when you press the Shutter key in the recording process.
- 5sec:** Shutter a photo at 5s intervals in the recording process.
- 10sec:** Shutter a photo at 10s intervals in the recording process.
- 30sec:** Shutter a photo at 30s intervals in the recording process.
- 60sec:** Shutter a photo at 60s intervals in the recording process.

Resolution Setting

You can select from the following recording resolutions:

PAL System	NTSC System
1920×1080P 25f 16:9	1920×1080P 30f 16:9
1280×720P 50f 16:9	1280×720P 60f 16:9
WVGA 100f 16:9	WVGA 120f 16:9

View Angle

You can set the view angle to Wide, Medium, Narrow and Small:

Wide



Medium



Narrow



Small



ⓘ This function is not available in 720P and WVGA mode.

Bit Rate

You can set the bit rate to Fine or Normal ("Fine" produces a clearer image and larger file size).

Video Content Loop

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

180° Image Rollover

When this function is activated, an upright video file is produced even when using the MD10 to shoot video upside down.

ⓘ This function is not available in WVGA mode.

Display Time

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

ⓘ This function is not available in WVGA mode.

Shooting Parameters

Please follow the steps below to set your desired shooting parameters:

1. Long-press the Record key for 3s to enter the full screen mode.
2. Press the Shoot key or the Wi-Fi key to adjust the menu mode to "M" and then press the Record key.
3. Press the Wi-Fi key to move the cursor to "📷" and then press the Record key to display the following functional icons:



Photo Options



Photo Resolution



Display Time

4. Press the Wi-Fi key to select the required functional icon and then press the Record key.
5. Press the Wi-Fi key to select the required functional parameter and then press the Record key to confirm your selection.
6. Press the Shutter key to exit.

Fast Shot

- 3/1s:** Shutter 3 photos in one second.
- 6/1s:** Shutter 6 photos in one second.
- 8/1s:** Shutter 8 photos in one second.

Continuous

- 0.5sec:** Shutter a photo at 0.5s intervals after you press the Shutter key.
- 1sec:** Shutter a photo at 1s intervals after you press the Shutter key.
- 2sec:** Shutter a photo at 2s intervals after you press the Shutter key.
- 3sec:** Shutter a photo at 3s intervals after you press the Shutter key.
- 5sec:** Shutter a photo at 5s intervals after you press the Shutter key.
- 10sec:** Shutter a photo at 10s intervals after you press the Shutter key.
- 20sec:** Shutter a photo at 20s intervals after you press the Shutter key.

Timed

- 3sec:** Shutter a photo 3s after you press the Shutter key.
- 5sec:** Shutter a photo 5s after you press the Shutter key.
- 10sec:** Shutter a photo 10s after you press the Shutter key.

Photo Resolution

You can select from the following Photo Resolutions:

- 8mp:** 8.0M (3200x2400, 4:3).
- 5mp:** 5.0M (2592x1944, 4:3).
- 3mp:** 3.0M (2048x1536, 4:3).

Display Time

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

Basic Settings

1. Long-press the Record key for 3s to enter full-screen mode.
2. Press the Shoot key or the Wi-Fi key to adjust the menu mode to "M" and then press the Record key.
3. Press the Wi-Fi key to move the cursor to "⚙️" and then press the Record key to display the following functional icons:



Tones



Status Indicator



On Screen Display



Auto Standby



TV Output Format



Language



Date/Time



Format

Recover Factory
Settings

4. Press the Wi-Fi key to select the required functional icon and then press the Record key.
5. Press the Wi-Fi key to select the required functional parameter and then press the Record key to confirm your selection.
6. Press the Shoot key to exit.

Warning Tone

You can set the prompt tone to Standard or Off.

Status Indicator

You can set the work indicator to On or Off.

On-Screen Display

This function allows you to show (On) or hide (Off) the recording icon and video/photo details when you watch videos/photos on a TV or monitor.

Auto Standby

You can set the time interval for auto standby to Off, 2min, 5min or 10min. The timer starts to work when there is no shooting, recording or key operation. When the preset time is up, MD10 will auto enter the standby mode. If any operation is performed in the timing process, the timer will be reset. You can press the Record key or Shutter key to awaken MD10 from the standby mode.

TV Output Format

This function controls the video recording frame rate and the TV system for video playing.

Please select NTSC in North America.

Please select PAL in non-North America areas.

Format

This function will clear all files from the storage card.

Recover Factory Settings

This function will restore MD10 to factory default setting.

Playback

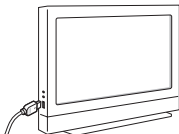
Upload (Audio/Video/Photo) Files to PC

1. Use a USB data cable to connect the camera to your PC.
2. Switch on the MD10.
3. Click the "My Computer" icon on the desktop and find "Removable Disc." If the camera is not detected, close the "My Computer" window and reopen it after several moments. "Removable Disc" will be displayed.
4. Double click the "Removable Disc" icon and copy/move the file to the PC's hard disk.
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 a TV or displayed with an 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 the MD10 cannot be properly displayed on-screen. Use an HDMI cable to connect the MD10 to the TV set:



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

Wi-Fi

With integrated Wi-Fi module, the MD10 can be connected with Wi-Fi remote control, smartphone or tablet PC to achieve remote control function. First, please install the appropriate app software provided by AEE to your device.

Download Wi-Fi App

The Wi-Fi app is now available on the iPhone App marketplace and in the Google Play store for free user download.

1. Android users: In the Google Play store, search "Hitec AEE App" (quotation marks needed). Download and install it following the user manual to connect to Wi-Fi and operate.
2. iPhone users: In the iPhone app store, search "Hitec AEE." Download and install it following the user manual to connect to Wi-Fi and operate.


APP icon:





Switch On Wi-Fi

1. Press the Wi-Fi key as shown in the figure below.



If the Wi-Fi function is enabled, the Wi-Fi icon "  " will appear on the top of the screen.

- !** Do not perform any key operations while waiting for the Wi-Fi to connect or disconnect.
2. Turn your camera on 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 (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 its parameters.




! In the 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 (Available to Android users only).



Fig. 1 Wi-Fi Connection Interface



Fig. 2 Wi-Fi Control Interface

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

You can remotely control your camera 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 maximum distance of 100 meters from the MD10 at a horizontal angle in an obstacle-free zone.
- ❗ The real-time preview is unavailable for video recording in the 720P and WVGA modes.

Operating Instructions for Wi-Fi Control Interface

1. Video Record

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

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

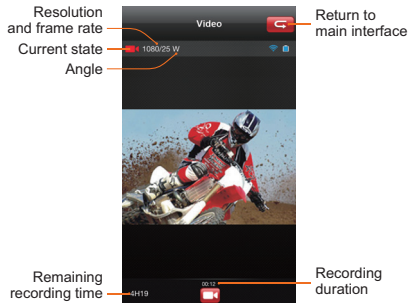


Fig. 3 Video Record Mode

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

2. Single Shot

Click the Single shot mode icon "📷", and notice that it turns to a blue "📷". The current state icon will display as "📷", Click it to take one picture.

Click the icon "📷" to maximize the preview size.

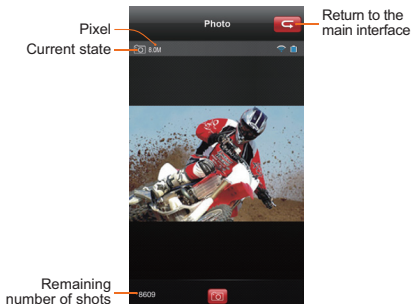


Fig. 4 Single Mode

You can set pixilation through the parameter setting interface.

3. Fast Shot

Click the Fast shot mode icon "📷", and notice that it turns to a blue "📷". The current state icon will display as "📷", Click it to take multiple shots in a single second.

Click the icon "📷" to maximize the preview size.

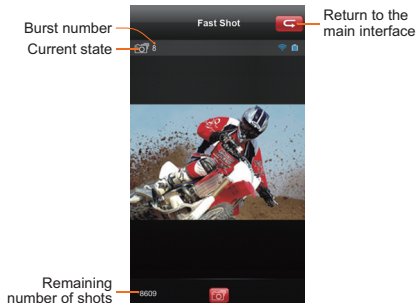


Fig. 5 Fast Shot/Burst Mode

You can set how quickly 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.

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.

1.Camera storage

2.Mobile device storage



Fig. 6 Playback Interface

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

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

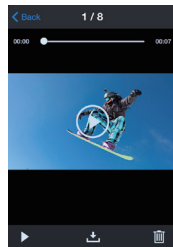
Click the icon "📱" to enter File selecting.

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

Click the thumbnail to view it in a larger preview format. You can slide left or right to select the desired file.



Photo Preview



Video Preview


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

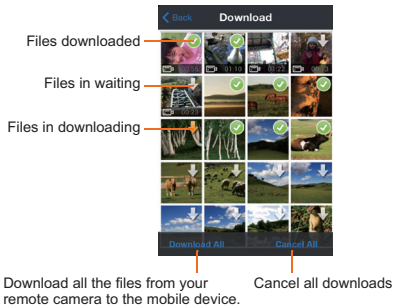
Click the icon "⬇️" to download the current file to your mobile device.



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 access the Download interface. Click the desired files to download them to your mobile device.

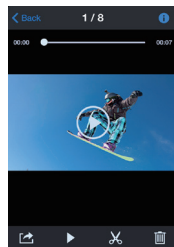


In the thumbnail preview mode, slide the icon "  " to view local files. Click the icon "  " to access the interface shown in the figure below and then select the desired files to share them on social networking websites.


Click the thumbnail to view it in a larger preview format. You can slide left or right to select the desired file.






Photo Preview



Video Preview

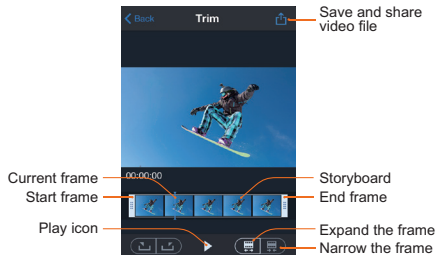
Click the icon "  " to view the current file information.

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 access the video trimming interface shown in the figure below:



Click the icon to save and share the edited video file. This function allows you to take a clip out of the video to generate another video by changing the starting frame and ending frame.

To accomplish this, use 1 of the 2 methods detailed below:

Method One: change the starting frame and ending frame by dragging the time frame panel (click the Play key for previewing until the best location is reached).

Method Two: 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 your camera on. 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." Find "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 your camera on. On the computer, double click the icon "My Computer" to find and access 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 8 digits) and save it. (Please note, only 8-digit passwords are supported.)

- ⚠ In case of synchronous operation of the camera and the Wi-Fi based remote control, the MD10 will give priority to the operation command from the camera.
- ⚠ Above images for reference only, subject to app availability.

Wi-Fi Based Remote

Guide for Components



- | | |
|--------------------|---------------------|
| 1. Power Indicator | 7. USB Port |
| 2. Screen | 8. Wi-Fi Indicator |
| 3. Wide View Key | 9. Power/Record Key |
| 4. Medium View Key | 10. Shutter Key |
| 5. Narrow View Key | 11. Stop Key |
| 6. Small View Key | 12. Strap Hole |

Key	Functions
-----	-----------

Long-press for about 5s to turn on/off the Wi-Fi based remote control.

Under the photography mode, press once to switch the current mode to the video recording mode.

Under the 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 the 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 it to select the option below.

Press once to switch the viewing angle of the camera to wide angle.

Press once to switch the viewing angle of the camera to medium angle.

Press once to switch the viewing angle of the camera to narrow angle.

Press once to switch the viewing angle of the camera to small angle.

- ❗ Viewing angle switch buttons on the remote control can only be used in the 1080p mode.
- ❗ When DRC10 accidentally crashes in use and does not follow normal shutdown procedures, you can press the "Wide View" or "Small View" key to force shutdown.

Start-Up

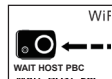
Long-hold the "Power / Record" button "⊙" for about 5s to start up the Wi-Fi based remote control.

After startup, the screen will display the battery icon "🔋"; if 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.

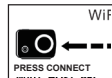
Pairing

Before using the Wi-Fi remote control, code pairing should be completed between it and the MD10:

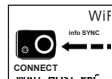
1. Turn on the MD10 and enable its Wi-Fi function.
2. Press and hold the stop key and then long-press the power/record key for 5s to turn on the remote control. The red indicator will be lit and the battery icon "🔋" will appear on the screen of the remote control.
3. Press and hold the "⊙" Key and "⊞" Key on the remote control again until you see " WAIT HOST PBC " as shown below:



4. Long press the Wi-Fi Key on MD10 for 10s until the remote control enters the following interface:



5. Press the "⊞" Key on the remote control to start the connection as shown below:



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



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	120m max
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 cause physical impact to this product.
2. The remote control should not get close to objects with high-intensity magnetic field such as magnet or electric motors or to objects that send out strong radio waves like antenna. Strong magnetic fields may result in failure of the remote control.
3. Please do not put the remote control in any location with high temperatures or direct sunshine.
4. Please put the remote control in a cool, dry, and dustless place.

5. This product is not designed with auto-standby; if the remote control is idle for a long time after startup, please turn off the power to the remote control.
6. The remote control is able to connect to one host only each time. It cannot connect to multiple hosts simultaneously.
7. If the remote control disconnects improperly and is not functioning normally, please simply reboot to put it back to use.
8. To avoid malfunction, please do not operate the remote control while it is being charged.
9. If you activate the video recording function in the host with the remote control, simply press the Stop button on the remote control to stop recording. To avoid malfunction, please do not press the Stop button on the host to stop recording.

Accessory Application

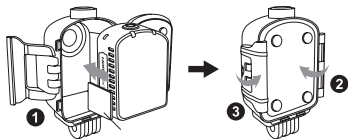
The MD10 is suitable for handhold use or hand-free use in most places when appropriate accessories are used. When the MD10 is fitted with water-proof housing, it can be used to record videos underwater.

Water-Proof Housing & Moisture-Proof Foam

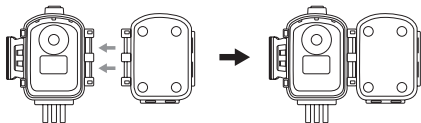
The MD10's water-proof housing up to IP68 can protect the camera 20 meters underwater. In order to avoid and reduce dewing on the glass of the water-proof house, we suggest using moisture proof cotton inside the water-proof case in environments where temperatures change.

After putting the MD10 in its the waterproof case, you can long- press the Shoot key and Wi-Fi key simultaneously for 5s to turn it on. Similarly, you can long-press the Shoot key and Wi- Fi key simultaneously for 5s again to turn off the MD10

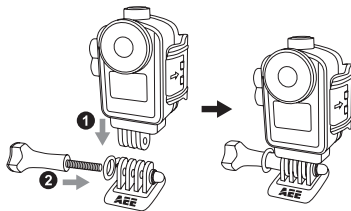
Follow these steps to install the MD10 into its water-proof housing:



Follow these steps to assemble the waterproof housing rear case:

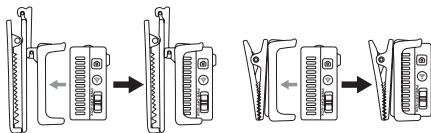


The plug bracket affixes the MD10's water-proof housing firmly onto the sticky seat, as shown below:



Installation of Back Clip

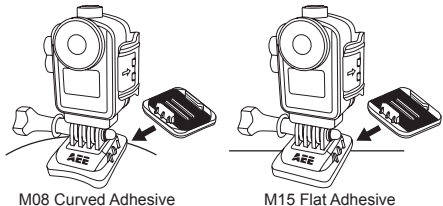
The back clip should be installed as shown in the figure below:



Use of Convex Stickers and Flat Stickers

The MD10 comes with a convex sticker and flat sticker for adherence to different surfaces.

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



Precautions for 3M Double-sided Foam Tape:

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

The surface temperature of a power unit in use may increase. This is normal.

Precautions with 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, or 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. To avoid deformation, do not put the waterproof housing in a place where temperatures are high (50°C) or low (-10°C) for an extended time.
4. Do not expose the MD10 video camera to sunshine for an extended time to avoid deterioration of the waterproof performance.
5. Before use, ensure that the O-ring is intact, the seal is clean, the housing itself is fully sealed, and the buckle is tight.
6. After using the housing in a salt water environment, wash it clean using fresh water. Dry and store in a temperate place.

Specifications

Description	Specifications
Visual angle	120°
Aperture	f/2.6
Pixel	8 Megapixel

Video recording format	MP4
Audio recording format	WAV
Photo format	JPG (JPEG)
Wi-Fi transmission distance	About 100m (Max.)
Standard battery capacity	1250mAh
Power consumption	350mA
Recharging duration	USB Cable: About 4.5 hours
	Power Adapter: About 3.0 hours
Maximum video recording time	About 210 minute (Max.)
Maximum audio recording time	About 240 minute (Max.)
Operating platform requirements	Mac OS X 10.9.2 and later Microsoft Windows Vista, 7 and later
Storage temperature	-20°C ~ 60°C
Operating temperature	-10°C ~ 50°C
Dimension	L52 x W34 x H28mm
Unit weight	49g

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

Tips

1. When the unit is in use for an extended period, it is natural for its surface temperature to rise. If the camera is overheated, the LCD will turn off automatically after one beep, you can press any key to activate LCD. If the camera continues to overheat, it will enter into standby mode after

- three beeps, you can press record or shutter key to activate the camera
2. If you will not be planning to use the unit for a long period of time, it is suggested that you charge it once every six months to maintain optimal battery performance.
 3. Use of the digital zooming function during shooting will slightly impact image quality.
 4. The visual angles under different modes will differ slightly.
 5. To smoothly play a high-definition video file, it is suggested that you use a PC or other professional device
 6. If you enable the cyclic recording function over a long period or if you frequently shoot/delete photos, the memory card may retain data fragments that can prevent you from storing or taking photos. Please back up the data to an external storage device and reformat the memory card.
 7. When the camera is operating in a high-temperature environment, the lattice screen may become black. This is a normal phenomenon and will not affect its function.
 8. When the camera is used for a long period of time, the temperature of the metal parts near the lens may rise. While this is normal, please do not touch the heated metal parts.
 9. Hot plugging is not supported. If the screen turns white, 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.

Support

For support or if you have questions, feel free to call Hitec RCD, Inc. at (858) 748-6948. You can also send us an email at service@HitecRCD.com, or visit our website at www.HitecRCD.com for more information.



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 | **AGE**



Recording Equipment
■ ■ □ The leader of recording equipments