

快譯通 *Abee*

V10 高畫質行車記錄器

使用手冊
Manual

Abee 隨行



玩美無比



高畫質



不漏秒



大螢幕



平面廣角



低照度



耐高溫
鋰聚合電池



緊急錄影



G-Sensor



循環錄影



支援32GB



國際認證

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Product Features

- High-definition video recording: HD 720P
- Auto loop recording: with No Interval Time File Saving Technology; no gap between each interval, every second count.
- Emergency record function for protecting important incidents.
- CMOS HD Sensor
- Ultra-Wide-angle lens: 120 degrees flat wide angle lens, reduce distortion cause by fisheye lens.
- G-Sensor: V10 will automatically record and protect the file when have an accident or impact occur.
- 2.4" TFT LCD, providing clearer image, convenient for installation adjusting and video playback.
- Automatically Record: When the car started, V10 will start to record automatically.
- Automatically save and shut down: After the car engine been turned off V10 will save the file and shutdown automatically.
- Date / Time: Date and time can be recorded in to video.
- White Balance auto sensing
- Auto exposure control
- High temperature resistance, the parts and battery are all pass the high temperature test, very save to use in the car.
- High temperature resistance Build-in Lithium polymer battery: Can use as a handy cam in any situation.
- Memory card: Support up to 32G Micro SDHC Memory card
- ROHS compliance, and achieve CE/FCC/BSMI international certification
- DVR Player:
 - Built-in DVR player software, all stored data can be play on PC without needing to download new program.
 - The password for Micro SD card can be set to ensure data security.
 - Can repair the damaged video which due to suddenly pull card or power outage, this can ensures that critical evidence is not lost.
 - G-Sensor Information are displayed when playback the video.

Notes

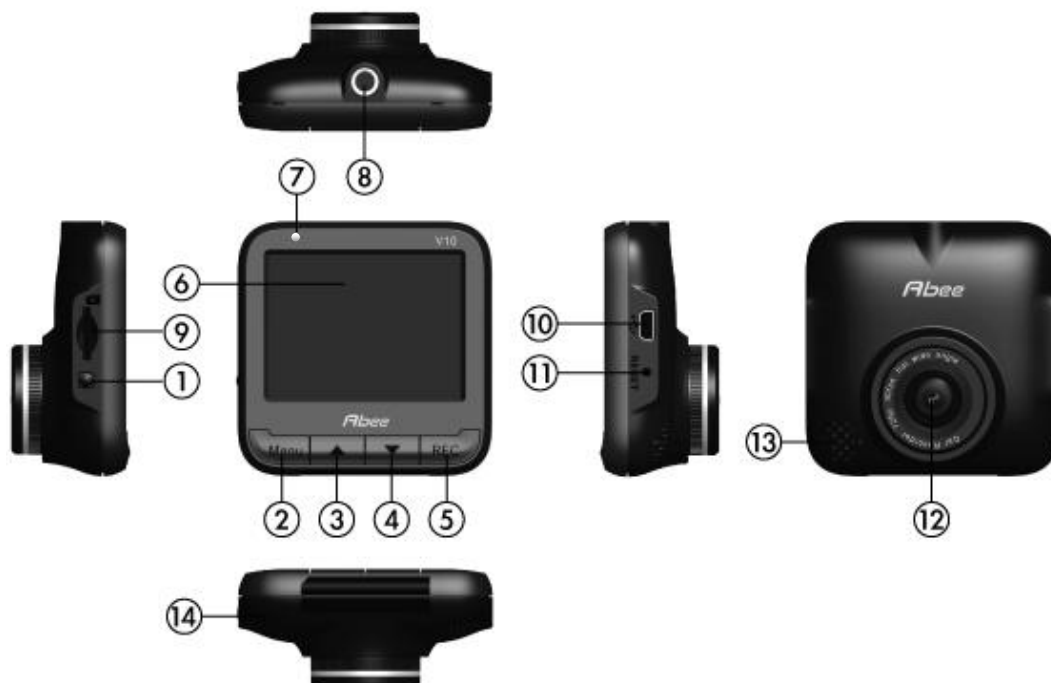
Usage

1. Please use Class6 (or higher class) Micro SD card, to avoid the lag of image.
2. Please format the memory card with V10 before using it, while formatting DVR player will automatically stored in to memory card.
3. Please use Abee V10 original car charger and accessories.
4. In vehicles where power to the cigarette lighter remains on after the engine has been turned off, please remove the cigarette lighter plug to avoid draining your car battery or other accidents.
5. After the car engine has stopped, the power supply been cut off, or any event that interrupts the power supply occurs, a spare battery allows continued recording to the memory card. Do not remove the Micro SD memory card before the write operation has completed or the file may be damaged.
6. Do not expose your product to direct sunlight.
7. Do not connect car adaptor to car battery power directly (this installation is not in covered under the product warranty).
8. Do not disassemble or modify your product. Consult your dealer or our customer service center in case of having problem with product.
9. Do not drop or subject the product to blows or force. Do not press hard on the LCD screen. This may damage it or cause it to malfunction.
10. Abee V10 emergency recording feature, in general recording mode, press the record button to enter emergency recording mode, on the upper right corner of the screen will immediately show "Lock" icon, this means the file is protected. The file will not be deleted from loop recording. 4G memory card can save up to 5 emergency video files, 8G memory card (or above) can save up to 10 emergency video files. Please refer to the manual for Details of the emergency recording feature.
11. Do not expose your product to flame or moisture, please keep your hand dry when operate the device.
12. Do not clean the product with cleaners containing strong acid or alkaline
13. Before using your device, please read the user's instructions carefully.

Micro SD memory card

1. Please use Micro SDHC memory cards, class 6 or upper. 4G or more of memory space is recommended, Support up to 32G.
2. Please format the memory card with V10 before using it.

Product Appearance

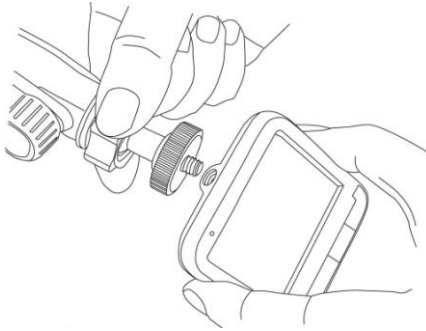


- ❶ On/Off Key
- ❷ Menu/Exit Key
- ❸ Up/Photo Key/Delete
- ❹ Down/Stop/Lock、Unlock
- ❺ Record/Lock/OK/Pause、Resume
- ❻ Display
- ❼ Recording indicator
- ❽ Bracket slot
- ❾ Memory card slot(Micro SD)
- ❿ Mini USB port
- ⓫ RESET
- ⓬ Lens
- ⓭ Speaker
- ⓮ Microphone

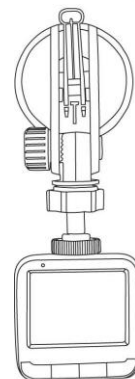
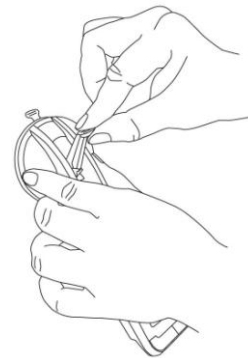
Hardware Installation Guideline

Installation

1. Connect the device with the bracket by inserting the screw hole on top of your device in the screw of the bracket; turn the screw knob in clockwise direction until it firm.



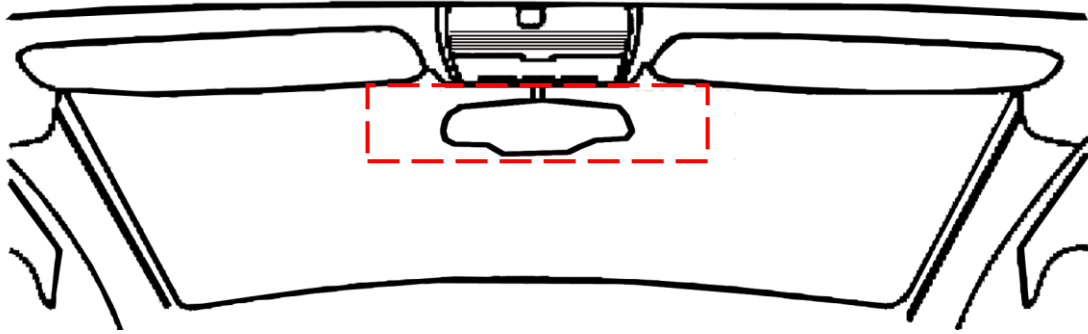
2. Place your Driving Recorder in the proper position, stick the suction plate to the windshield, and press the plate button to secure the stand.
3. After install the bracket, release the adjust knob below the suction plate to adjust the shooting angle.
4. After finishing adjust shooting angle, turn the adjust knob until it firm to lock the position of the device.
5. Insert Micro SD card in to Micro SD card socket.
6. Insert car charger it to cigar socket and connect to V10.



Uninstall

1. Uninstall the device: hold the bracket firmly, turn the device in clockwise direction.
2. Uninstall car bracket: Pull up the car stand suction plate button to remove it.

Installation Recommendations



1. Install your product as close as possible to the rear view mirror in your car to get the best view.
2. The lens should be in the area that windshield can be cleaned by your wipers to get good images on a rainy day.
3. Do not install your product in a place that may interfere with operation of the air bags in your car.
4. Do not place your product in a position that may be blocked by the heat insulation.
5. Clean the bracket suction plate before installation.


⊗ **Warning**

Do not install Abee products over an air bag cover or within the air bag deployment zone. The company assumes no responsibility of liability for injury or death as a result of car crashes and/or air bag deployment.

Operational Guideline

i. Turn on / Turn off

1. Turn on

When the device is not connect to external power, press  ON/OFF key and hold for 2 seconds to turn on the device.

2. Turn off

When the device is power on, press  ON/OFF key and hold for 2 seconds to turn off the device.

3. Auto turn on and off

※ When the car charger is powered by the cigarette lighter socket, your device will automatically turns on when the engine is started.

※ When the car charger is powered by the cigarette lighter socket, your device will automatically turns off when the engine is stopped.

※ If your device is powered by the cigarette lighter socket, it will automatically turn off if the external power is removed (by unplugging the USB cable).



※ In case the device is still powered by car cigarette charger when the engine is off, in this case the auto power-off function is not supported.

※ Trouble shooting

1. Check the memory card (Micro SDHC) is inserted.
2. Check that there is enough free memory space on your memory card and there are no existing file system errors.
3. If problems persist, please backup files from the memory card and use the device to format your memory card.

ii. Recording

1. General recording

Under general mode, press  key, to start recording mode, on the upper left corner of the screen will show red dot  and time.

2. Auto Recording

In the auto recording mode, the device will turn on and enter the recording mode automatically when the power is connected.





3. Stop Recording

Under recording mode, press  key to stop recording.

4. Stop recording after power off









Under the recording mode, when turn off the power, the device will stop recording, save the file and automatically turn off.

iii. Emergency Recording










1. Under the recording mode, press  key for **Lock**, the device will automatically lock the file, on the upper right corner of the screen will immediately show "lock" icon, the file will not be deleted from loop recording, and press  key to stop recording.
2. With the collision detection on: when the collision occurs, the device will automatically trigger the emergency recording mode to protect the file. On the upper right corner of the screen will immediately show "Lock" icon, and press  key to stop recording.
3. When the emergency video files in more than 30% of the card capacity, in the next emergency record, the message "emergency recording space is less than 30 percent backup locked movie" will show on the screen. Please refer to the fourth section of manual regarding unlock, or file backup.
4. When emergency recording file is full, the next emergency recording screen will appear "emergency recording file is full, please back up the locked film". Please refer to the fourth section of manual regarding unlock, or file backup.
5. 4G memory card can save up to 5 emergency video files, 8G memory card (or above) can save up to 10 emergency video files.
6. When the emergency recording file is full, under the recording mode press  to enter emergency recording mode, it will show the message "emergency file is full" and the oldest emergency file will be overwritten.

iv. Video playback/Locked file/Unlock/Delete










1. Vide preview

Under general mode, press  key to choose **Play**, to enter the video playback menu, use   key to select the file type **Normal Records** or **Locked Records**, Press  key to choose **OK**, after choosing the type of video, and you will see the videos playlist. Use   key to choose the video, press  key to choose **OK**, to playback. Press  key to choose **Back**, to return to the playlist.









2. Lock video







Under general mode, press  key to choose **Play**, to enter the video playback menu, use   key to select video, Press  key to choose **OK**, after choosing the type of video you will see the videos playlist. Use   key to choose the video you want to lock, press  key to choose **OK**, to playback. While playing the video press  key to choose **Pause**, to stop the video, press  key to choose **Lock**, the video will be moved to emergency video list. The file will not be deleted from loop recording.

3. Unlock video


Under general mode, press  key to choose **Play**, to enter the video playback menu, use   key to select **Locked Records**, Press  key to choose **OK**, after choosing the type of video you will see the videos playlist. Use   key to choose the video you want to unlock, press  key to choose **OK**, to playback. While playing the video press  key to choose **Pause**, to stop the video, press  key to choose **Unlock**, the video will be moved to general video list, and the screen will return to the emergency video playlist.




4. File deleting

Under general mode, press  key to choose **Play**, to enter the video playback menu, use   key to select the file type **Normal Records** or **Locked Records**, Press  key to choose **OK**, after choosing the type of video you will see the videos playlist. Use   key to choose the video you want to play, press  key to choose **OK**, to playback. While playing the video press  key to choose **Delete**, the

screen will show the confirmation message, use   to choose **Yes** or **No**, then press  key to choose **OK**, to delete file. Press  key to choose **Back**, to return to the pause screen. Press  key to choose **Resume** to playback. Press  key to choose **Back**, to return to the playlist.

v. Menu function


In general mode, press the  key to choose **Menu**, to enter the menu screen.

1. Time Setup: Set up the current time
In the menu screen: Select **Time Setup**. Use   key to set up the date and time then press  key to choose **OK**. After setup has been completed it will automatically return to the previous screen.
2. Time Stamp: to set up the recording date & time on video
In the menu screen, select **Time stamp**, then select **On** or **Off**.
3. LCD Setting: to set up whether to turn on the screen while recording
In the menu screen, select **LCD Setting**, then select **on**, **Off in 30 Seconds**, **Off in 3 minutes** or **Off**.
4. Audio Recording: to set up whether to record sound in to video
In the menu screen, select **Audio Recording**, then select **On** or **Off**.
5. Sound Effect: to set up whether to turn on the keypad tone
In the menu screen, select **Sound Effect**, then select **On** or **Off**.
6. Auto Recording: to set up auto turn-on and record when engine is started.
In the menu screen, select **Auto Recording**, then select **On** or **Off**.
7. Collision Detection: in recording mode, when accident or impact occurs the device will automatically lock the current file. The sensitivity of collision can be set, collision information will be shown through ADR Player.
In the menu screen, select **Collision Detection**, then select **High Sensitivity**、**Normal Sensitivity**、**Low Sensitivity** or **Off**.
8. Frequency Setting: to set the display frequency to avoid the images flashing
In the menu screen, select **Frequency setting**, then select **50Hz** or **60Hz**.
9. Shutdown Delay: the device will keep recording for a short footage before shutdown.
In menu screen, select **Shutdown Delay**, then select **Shutdown in 10 Sec** or **Off**.
10. Language: to set up the language for operational interface.
In menu screen, select **Language**, then select **Traditional Chinese(繁體中文)** , **Simplify Chinese(簡體中文)** or **English(English)** .
11. Format: Format memory card (Micro SD).
In the menu screen, select **Format**, then select **Cancel** or **OK**. Select **OK** to format your memory card. Please backup important data before formatting your card.
12. Default Setting: Reset all the setting to factory default.
In the menu screen, select **Default Setting**, select **No** or **Yes**. Select **Yes** to reset all the setting to the factory defaults.

vi. Memory card (Micro SD) PC connection instruction

1. With card reader
Remove the memory card after turning off the device. Insert the memory card in a PC card reader. Your PC will detect a removable device. Open Windows Explorer to browse the files on the V10 memory card.
2. Memory card content operational, please refer to the next section, ADR player software operational.

vii. DVR Player program ADR Player: software operational, file playback and access instruction

After connect (Micro SD) to your PC, in the folder will show  ADRPlayer.exe application, double click to open the program.


1. System requirement
 - CPU: At least Pentium 4 2.4GHz or above
 - Monitor: Required to support 1280 * 720 or 1280 * 1024 resolution of the screen
 - RAM: At least 1 GB of memory
 - OS: Required to support Windows XP 、 Windows Vista(32 bit & 64bit) & Windows 7 (32 bit& 64bit)
 - Audio: System must have the audio device installed
 - USB 2.0 High Speed supported of SD / SDHC card reader
2. Software installation
 - ADR Player no need to install, user can execute the program directly, and the program can e executed in the SD card (SD card cannot be noted for the write-protected) or according to user their own copy to the hard disk to execute.
 - In Windows Vista and Windows 7, the executive shall be the system administrator permissions to open the normal execution.

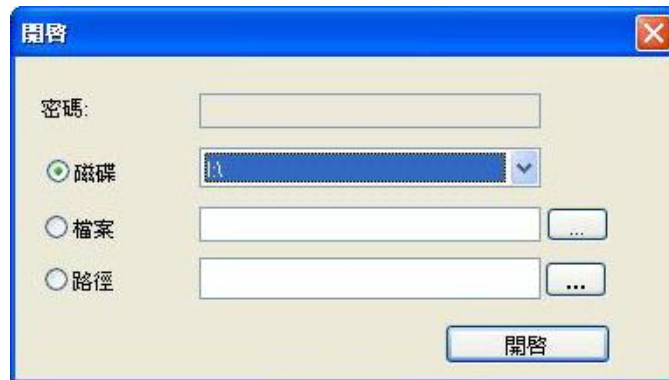
3. Software interface description





- A. Image display area: Displays the current playback image.
- B. G-Sensor display: Show G-sensor information of current video.
- C. Playback progress bar: Shows the progress of video playback, you can drag the mouse to the video position where you want to see.
- D. Video section list: Displays the current Micro SD card list of all the videos section.
- E. Video Groups List: Micro SD card shows the current group information list of all the videos.
- F. Function Bar


4. Operational guideline: Buttons instructions

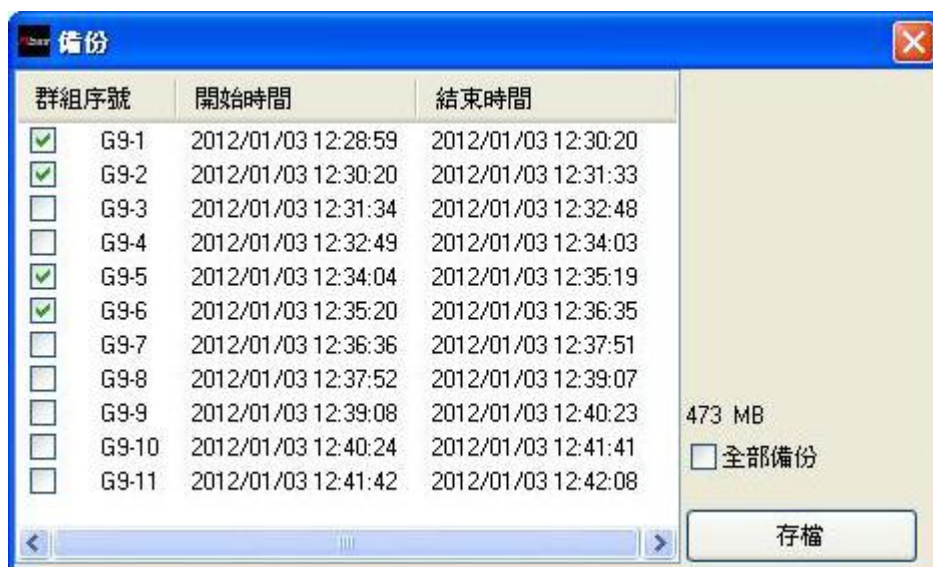
- A.  Open disk: Open the video in which SD card drive




- B.  Snapshot button: Save the current screen captured into a JPG image file. During playback or pause playback of the video, you can press this button to save as a JPG image file, file name will be saved to screen name at the time.


- C.  Save button: The recorded video image will be transferred and save as AVI video.


a. If you want to store a single group within a certain segment of the video, you can directly select the group list in the film, the group, click  save button, After the election, the path you want to archive the following screen will appear, then you can choose to back up to check the video section, or choose to save the entire group all of the backup. At bottom right, estimate the file size, can help you to confirm the purpose of backup storage disk in the adequacy of the space to archive.



b. If you want to save more than one group of films shown in the video group list, check the groups you want to save (see below), then click  save button, these groups were transferred directly saved as AVI File. If the video a long time, transfer process may take some time, please be patient and you may press stop button to cancel during transfer processing. AVI files transferred out of maximum of each file size 2GB, if more than 2GB will be automatically saved as another AVI file.

| 群組序號 | 解析度 | 開始時間 | 長度 | 預估大小 |
|---|-----|---------------------|----------|---------|
| <input checked="" type="checkbox"/> 006 | HD | 2012/01/03 11:36:47 | 00:00:02 | 3 MB |
| <input checked="" type="checkbox"/> 007 保護... | HD | 2012/01/03 11:37:09 | 00:01:40 | 119 MB |
| <input checked="" type="checkbox"/> 008 | HD | 2012/01/03 11:38:49 | 00:00:16 | 21 MB |
| <input checked="" type="checkbox"/> 009 | HD | 2012/01/03 12:28:59 | 00:13:08 | 1221 MB |

D.  Delete video button: Delete recorded video in the Micro SD card.


a. Remove certain videos within a single section of the group: Selected in the group to the group list, click  Delete button will appear as below, then choose to delete the video section or the use of select Delete All to delete the entire group.(below)

| 群組序號 | 開始時間 | 結束時間 | |
|--|---------------------|---------------------|--|
| <input type="checkbox"/> G9-1 | 2012/01/03 12:28:59 | 2012/01/03 12:30:20 | |
| <input type="checkbox"/> G9-2 | 2012/01/03 12:30:20 | 2012/01/03 12:31:33 | |
| <input checked="" type="checkbox"/> G9-3 | 2012/01/03 12:31:34 | 2012/01/03 12:32:48 | |
| <input type="checkbox"/> G9-4 | 2012/01/03 12:32:49 | 2012/01/03 12:34:03 | |
| <input checked="" type="checkbox"/> G9-5 | 2012/01/03 12:34:04 | 2012/01/03 12:35:19 | |
| <input type="checkbox"/> G9-6 | 2012/01/03 12:35:20 | 2012/01/03 12:36:35 | |
| <input checked="" type="checkbox"/> G9-7 | 2012/01/03 12:36:36 | 2012/01/03 12:37:51 | |
| <input checked="" type="checkbox"/> G9-8 | 2012/01/03 12:37:52 | 2012/01/03 12:39:07 | |
| <input type="checkbox"/> G9-9 | 2012/01/03 12:39:08 | 2012/01/03 12:40:23 | |
| <input type="checkbox"/> G9-10 | 2012/01/03 12:40:24 | 2012/01/03 12:41:41 | |
| <input type="checkbox"/> G9-11 | 2012/01/03 12:41:42 | 2012/01/03 12:42:08 | |

473 MB
 刪除全部
 刪除

b. Delete more than one group of videos: In the group list, check you want to delete the group (below), then click the delete button, the confirmation deletion message will pop up, press the “yes” button then the video will be removed.

| 群組序號 | 解析度 | 開始時間 | 長度 | 預估大小 |
|--|-----|---------------------|----------|-------|
| <input checked="" type="checkbox"/>  002 毀損 | HD | 2012/01/03 11:20:09 | | |
| <input checked="" type="checkbox"/> 003 | HD | 2012/01/03 11:31:17 | 00:00:01 | 1 MB |
| <input checked="" type="checkbox"/> 004 | HD | 2012/01/03 11:31:31 | 00:00:00 | 1 MB |
| <input type="checkbox"/> 005 | HD | 2012/01/03 11:35:40 | 00:00:17 | 18 MB |

- E.  Tool button: For system setup (as picture below)



a. Format Micro SD card

Will format the Micro SD card reader into the Abee V10 proprietary file format, and then of ADR Player software will be copied into the memory card so you can use any computer to watch the video.

※ Format Card all data will be removed after Micro SD card formatted including password.

b. Remove Micro SD card exclusive file format

User could use ADRplayer to remove the Abee V10 exclusive file format, and restore the Micro SD card as common FAT format for other purpose use, also you can use Windows itself function to format the Micro SD card.

※ After "Remove Micro SD card exclusive file format." all the information in Micro SD card will be deleted.

c. Download firmware to Micro SD card

Users can upload Abee V10 Firmware to Micro SD card via this function. When Abee have released new firmware, users can use this function to load the Abee firmware of the BIN file to the Micro SD Card.

※ Before the implementation of this feature, make sure you have selected the correct disk and it has been placed in the Micro SD card and Micro SD card is not in the Lock state.

※ Make sure the Micro SD card has been formatted to Abee exclusive file format before implement this function.

※ If the firmware BIN file is correct and upload into Micro SD card, it will pop up a message of "firmware upload complete!!" Please follow Firmware update instruction which describe in Abee Firmware specification to update firmware if there is new Abee firmware version released.

d. Password settings

User can set a password to protection Micro SD card content, if the use need to set a new password, user must enter the old password before setting a new password. To cancel the password, just keep the new password field as blank. After setting, press the right column of the "Save to Micro SD card" button that will set the password value Micro SD card. User needs to input password then can open Micro SD card.

※ !!Remind!! Please remember the Password which you set in Micro SD card, otherwise, user will need to "Format Micro SD card" in order to remove password, but this will caused all videos or data will be deleted.


e. Micro SD speed test


Test currently used Micro SD card read and write speed, for the smooth of Abee V10 HD video, the speed test from the Micro SD card write speed should be at least 4000KB/sec.


f. Language: Change the language for operational interface.


g. Record time information: Show the record time in Micro SD.


h. About: Display ADR player version and released date.


F.  Stop button: Stop video during play back, also can stop video transferring to AVI file.

G.  Play/Pause button: Start to play video or pause video.

H.  Slow down button: button: The video playback speed to provide 1/2 X ~ 1/5 X speed also can slow down speed when the video is under fast forward playing.


I.  Fast forward button: The video playback speed to provide 2 X ~ 5 X speeds, if the video is under slow down speed, it can be adjusted quickly.


J.  Play back volume: adjust play back volume.

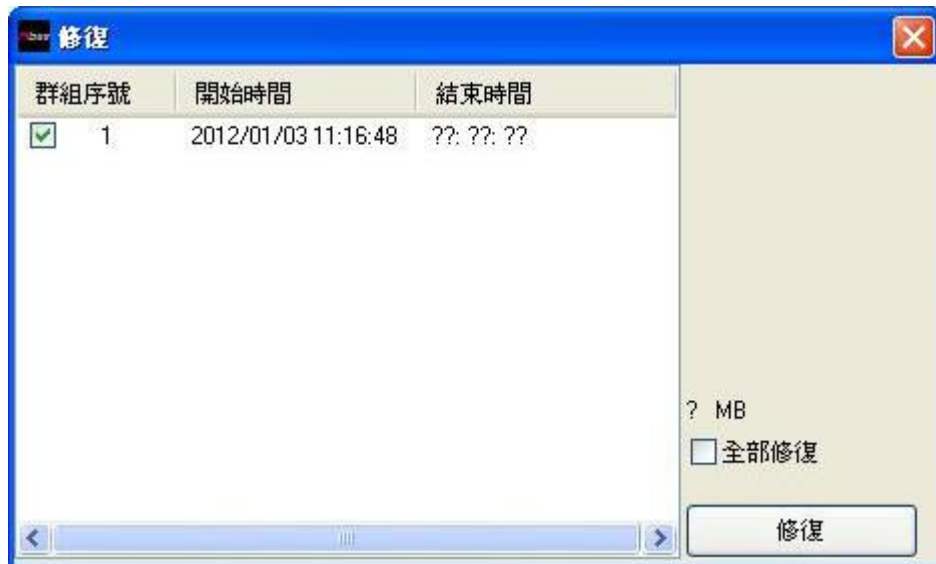
K.  Unlock button: to unlock the protected video

for the video list displayed in the group that been protected, press this button will pop up a whether determine to unlock the video message, press “yes” then can unlock the group videos.


※ It cannot lock again after unlocked, please make sure you have saved the copy file then do unlock function.


- L.  Repair button: can repair the damage video


For the result of abnormal pull cards, power outages and other factors led to the end of the video destruction without the normal power off process (the group list of the damage file will show the red background:  002 毀損), press this button, it will display all of damaged group list (as blow photograph), user can check the video section you want or choose to repair all damage repair to a revision of all the videos.




※The video shall be restored to normal video after repaired, the restoration of the video if its start time and end time on the difference between a group of less than two seconds, will be incorporated into the last group, not a single display, and will not show "fixed" in the group list.

- M.  G-Sensor information display switch: the G-Sensor information display area can be turned on or off. Press to open or close the G-Sensor information display area, the G-Sensor X, Y, and Z axes of information available to be the accident reference.

- N.  Rotate 180°: video rotate 180° display.

- O.  Repeat button: to repeat the current play back video, if this function is activated the button will turn blue.

- P.  Small window size: for small resolution on desk top.

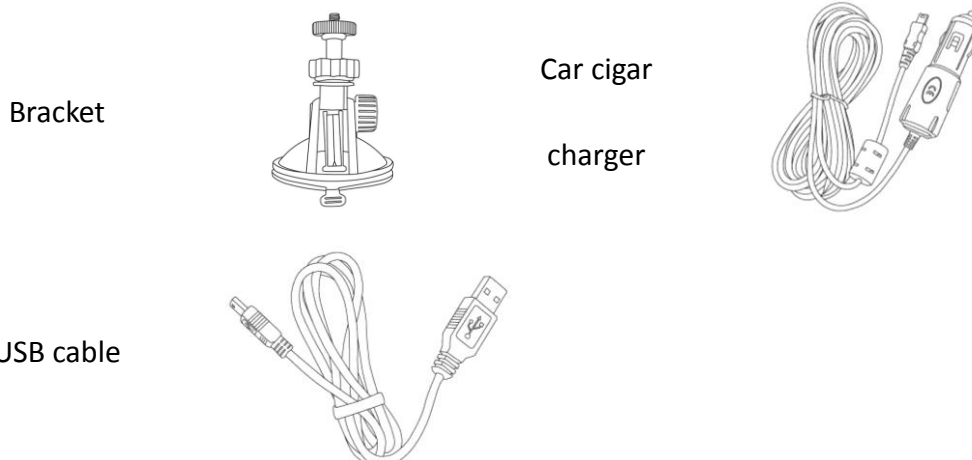
- Q.  Medium window size: For normal resolution of desktop.

- R.  Large window size: For high resolution of desktop (such Full HD) of desktop.

Specifications

| | |
|-----------------------|--|
| Display | 2.4" TFT LCD color screen |
| Image sensor | CMOS HD Sensor |
| Lens | 120° wide angle lens |
| Video Resolution | HD 1280×720 (30fps) |
| Video Format | AVI |
| Video Compression | MJPEG |
| Loop recording | auto loop recording with no Interval Time File Saving Technology |
| Power supply | Cigar car charger (INPUT: 12V~24V ; OUTPUT: DC5V/1A) Built-in high-temperature resistance lithium polymer battery |
| External Memory | Micro SD card (4GB-32GB), SDHC Class 6 or higher |
| LED indicator | 2 colors indicator(Green: Power on ; Red: Record in process) |
| Operating Temperature | -20°C~70°C |
| Storage Temperature | -30°C~80°C |
| Certification | BSMI / CE / FCC / RoHS |
| Dimension | 6.5(L)×6.5(W)×3(H) cm |
| Weight | ~65g |

配件圖



D32170



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