








### Real-time inspection mode:

Press the power button for 3 seconds, the blue light in the upper left corner of the screen is on, and the system is turned on, it enters the real-time inspection mode by default. In this mode, the user can observe the image detected by the camera through the display screen, control the movement direction and speed of the front-end camera by manipulating the joystick, lock the current position of the probe by stopping the operation of the joystick, freeze the current picture by short pressing the power button, and release the freeze by short pressing the power button again.

1. The button  can adjust the brightness of LED lighting in 7 levels, the icon  in the upper right corner of the screen shows the current brightness level. Brightness adjustment can only be performed in real-time inspection mode.

2. The button  can switch the mode of photography/video recording. This function is only used for white light inspection. The top left corner of the screen  is displayed by default, indicating that the current mode is photo mode. Press the camera/video button on the back of the host to take pictures. The icon in the upper left corner indicates the current video mode. In this mode, press the Photo/Video button  to start the video recording, recording time is shown on the screen, and then press once again to finish the video recording and save it automatically. Only video is recorded by default. If an audio module is selected, the sound recording is performed simultaneously.

### System setup mode:

In the real-time inspection mode, press the setting menu button to enter the system setting mode, which can set the following system parameters:

- Image zooming: zoom in by pressing button "upward", zoom out by pressing button "downward", the number on the upper right corner of the screen shows the current zooming times, 4 times at maximum.
- Watermarking information: Watermarking information can be turned off or turned on.
- Picture format: JPEG/BMP can be selected as the image storage format.

4. Time and Date: Set the system date and time, and adjust it by button "OK", "upward" and "downward".

5. Language setting: The system has more than ten languages including Simplified Chinese, traditional Chinese, English, Japanese, Korean, French, German, Portuguese, Spanish, Russian, etc.




6. Card Formatting: Format the memory card, please use it carefully.

7. Restore factory defaults: Restore the instrument to the factory default settings.





8. Version information: Select the current version information of the system and upgrade the system settings.





9. Wi-Fi Settings: Real-time images can be wirelessly transmitted to mobile terminals such as mobile phones after opening.

### Playback Preview Mode:

In real-time inspection mode, press the Return/preview button  to enter the playback preview mode. Pictures and videos are saved separately and previewed in list. The preview is accompanied by showing the current file information on the screen. After selecting the file, icons  and  appear in the interface, which can view or delete the current file.

1. In full-screen viewing mode, there are 7 icons at the bottom of the screen: "+ / -", Left / Right, Up / Down, Return", which can zoom in / out, move to the Left / Right, Up / Down, and return to the previous menu. The Left / Right, Up / Down keys are only available under the enlarged images and view the images.

2. After opening the video file, the video will be played at the normal speed. Press  fast forward to play,  backward to play,  pause, and then press  again to continue playing.

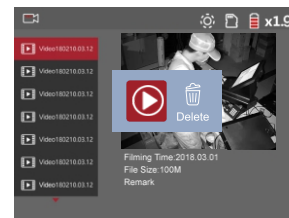
3. Select "delete" file, the interface will appear  and .  means cancel delete operation, select  file will be deleted directly.

### 5. Wi-Fi (Optional) Use Method:

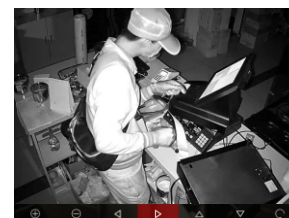
5.1 Open Wi-Fi in the menu and you can see the Wi-Fi logo on the top of the screen.

5.2 Open Wi-Fi on the mobile phone, search for the Wi-Fi of "CDR \*\*\* r", and connect.

5.3 Open XDV (general software, download to mobile phone before use), select the current connection (Wi-Fi of CDR \*\*\* f) to transmit the image to mobile phone in real time.



(Figure 1) Playback preview mode



(Figure 2) full screen view mode

## 6. Reading Documents

Take out the TF card from card slot, insert it into card reader, and read the card data directly through the computer. Files are saved in the "My Computer/ Movable Disk/ DCIM". Note: Do not pull out TF card at will when reading data, otherwise abnormal errors may occur.

## 7. HDMI Connection

Through the mini HDMI cable, the handset can be connected with the external display screen, and the real-time screen captured by the probe will be displayed directly on the external display screen.

## 8. Replacement Method of Insertion Tube

Part 1: Remove the insert tube (Schematic Diagram)



Step 1:  
Loosen the nut by rotating it.

Step 2:  
Hold the nut and bolt in hand and push it up to remove the tube from the host.



Step 3:  
Remove the nut and draw the tube from the upper end of the host.

Part 2: Install the insert tube (Schematic Diagram)



Step 1:  
Insert the tube from the opening at the top of the host, and make sure the triangular arrow on the top cover is pointed directly above the opening.


Step 2:  
Lock the host with nut to fix the insert tube, then the installation is completed.



## 9. Shutdown

Press the power button for 1-2 seconds under state of power-on, the screen displays the shutdown screen. The system parameters and files need to be saved for several seconds. The instrument will be shut down after saving.

## 10. Charging

The icon  at the upper right corner of the screen shows the current power. When the power is insufficient, please charge the instrument online through the Micro USB cable. Note: This USB interface has no data transfer function.

## 11. Instrument storage method

- Store the instrument in a clean state and keep it at routine room temperature.
- Strictly forbidden to store the instrument in high temperature, high humidity, strong light, strong earthquake, high dust, pollution or corrosive environment.
- Do not collide with other objects during storage or treat the instrument rudely.
- When the product is not used for a long time, please take out the battery and check the function of the instrument regularly.

## 12. Solutions to common problems

Problem	Reason	Solution
Boot without reaction	No battery or power shortage	Charge or install battery
Auto shutdown	Battery power shortage	Charge or change battery
Boot screen freezing	System boot failure or battery power shortage	Remove the battery to re install and restart or charge
The image cannot be recorded or found	The capacity of TF card is not enough	Replace TF card or delete useless files



YouTube



Facebook



Coantec Website

**Noted:** Avoid holding the insertion tube directly with your hand and pushing it up. Do not push it too hard, or it may cause damage to the optical fiber.