



User Manual



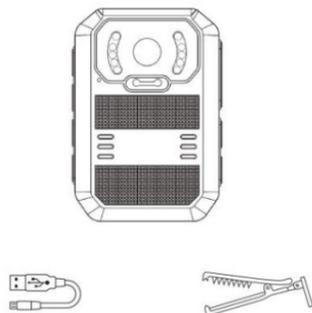
Please visit the following link to download a PDF version of the user manual
<https://link.ceratech.co.uk/4pn442xf>

1.1 Product features

- One-touch voice recording: Just press the "Voice record" button to start recording, and then press again to save the file.
- One-touch video recording: Just press the "Video record" button to start recording, and then press again to save the file.
- Flashing warning light: Fast flashing for warning.
- Super-wide angle lens to get a fuller picture.
- Super-wide angle lens with bigger view to get a clearer picture.
- Double-filter switcher for images without color deviation during the day and clearer images at night.
- On-Screen Display function ensures that all videos and photos contain un-editable timing, product serial number and user serial number that ensure legal validity of such evidence.
- Super long file name: All recorded video files contain information such as product serial number, recording time and user serial number, which ensure convenient data storage and retrieval.
- All recorded video files are automatically cut and saved to prevent data loss due to incorrect operation.
- External memory card supports 256G.
- High-definition speaker: Use high-quality speaker to give you a live feel during audio or video play.
- Record in a common MP3 format.
- Access to the audio file and data by using high-speed USB 2.0.
- It is able to be used as a large capacity USB storage device to ensure the maximum compatibility.
- The damper shaft back clip can be adjusted at any angle, which is flexible and reliable to wear.
- Video coding: H264.

Body Camera

2.1 What's in the box



2.2 Overview of your audio recorder



- | | |
|---------------------|---------------------------------------|
| 1.Video recording | 10.Working Light |
| 2.Voice recording | 11.USB interface/TF card socket/Reset |
| 3.Photo | 12.Flashing ON |
| 4.IR Night Vision | 13.Power ON/OFF |
| 5.White light | 14.Left / Previous |
| 6.Flashing light | 15.Menu |
| 7.RED&BLUE Flashing | 16.Right Click / Next |
| 8.Camera Lens | 17.Display |
| 9.Photo resistor | |

Video recording: press the key to start video recording, and then press to save the video; In Preview / Video Under the status, long press the video to turn on the white light, and then long press to turn off.

Voice recording: press the key to start recording, and then press to save the recording;

Photographing: press the key briefly to execute the photographing function. During recording / recording, long Press the key to mark important documents (Star mark function);

IR Night Vision: short press to turn on the infrared, and then short press to turn off (Note: when it is set to turn on the infrared manually, This key is only effective);

Key to turn on the flash lamp: in standby mode, short press to turn on the flash lamp, and then short press again to turn it off Turn off the sound, and then briefly press to turn off the flash lamp.;

Power ON/OFF: long press to start the machine and long press to shut it down again;

Left : short press in the Preview interface to enter the file list; Press this key in the setting interface to switch the Previous;

Right: (shortcut key) after Recording / Recording / Talking

photos, press this key to play back with one key, Press this key in the setting interface to switch to the next one; **Menu:** in the preview interface, short press to enter the setting interface, and select phase in the setting list After the parameters are confirmed, press the menu key for confirmation, and long press to return to the upper menu.

3 Operation

3.1 Turn ON/OFF

* Notice

Please recharge the device for three hours before using it at the first time!
 During shutdown mode, long press the "Power ON" button for 3 seconds, and the device will be turned on, showing "WELCOME" opening image:



Then the device enters the preview interface, as shown in the figure below. In the preview state, the working indicator lights up in green. On this interface, press the "Menu" button and the device returns to the setting interface. Long press "◀" or "▶" to zoom in or out on the preview interface for digital zoom.

* Notice

- This device is powered by a non-removable lithium battery. If you do not use the audio and video recorder for a long time, long press the "Power" button for 3 seconds to turn off the device.
- If the record does not work properly, please check if the device is out of power.
- During the operation please do not pull out the external memory card. Otherwise, damage might be caused to the files or the device.
- When the battery sign shows this icon , please charge your device in time.

Charging methods

(1)Use USB cable to connect the device with PC, the indicator

will show green light during charging.

(2)Use USB cable and the connector to charge the device. The device indicator will show green light first, which will be extinguished after the device is fully charged.

* Reminder

- The device can be charged either during ON or OFF mode. Normally, during OFF mode charging, it takes around 4 hours for full charging. (we recommend that you use OFF mode charging).

Connecting to computer

The recorder can be used as a large-volume USB storage device, which can be connected to the computer. The recorder will be shown as a portable device. The icon of connecting to computer is shown in the figure below.



* Reminder

- When the file are moved from the PC to the VideoTracer, please do not disconnect the device from the PC.

3.2 Video Recording

When you use the recorder for the first time, please pay attention to the requirements in this section!

(1) On the Preview interface, press the "Video Record" button to start recording. The device will vibrate twice briefly and the state indicator flickers red.

Short press the recording button to end the recording, the red indicator will go off, and return to the camera preview interface. The status indicator will become green.

(2) Short press the recording button to end the recording, the red indicator will go off, and return to the camera preview interface. The status indicator will become green.

(3) Long press "◀" or "▶" on the preview interface to zoom in or out on the preview interface for digital zoom.

(4) When recording at night, in a low light environment or of the infrared is in manual mode, please long press the "IR" button to change to night recording mode. The screen will become black/white. Long press the recording button and the additional light will be turned on to supplement the light source.

(5) Press the "Photo" button to capture the current recording

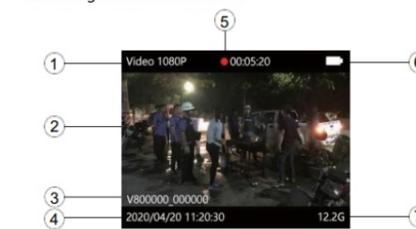
screen.

(6) Short press the "Star" button during video recording. The file will be marked as important file, and the marked file will not be deleted when the loop video files are turned up.

(7) The reference video recording interface is shown below:



Recording Interface Illustration:



1. Recording resolution
2. Video recording
3. ID watermark
4. System current data and time
5. Recording mode
6. Battery
7. Remaining card capacity

* Notice

- When the battery icon is showing empty, it means low on

battery. When the low battery icon occurs, the system will automatically shut down. If you are recording, the system will automatically save the recorded files then shut down. In case of low battery, please charge your device timely. During low battery, the device gives you "Low Battery" notice as shown below.



* Reminder

- Before recording, please adjust the recording parameters first.
- Please delete some unnecessary files before recording.

3.3 Photo

Please note the instructions in this section when you take the first photo with your Video Tracer! On the preview interface, press the "Camera" button to take a photo. While taking a photo, a red light appears with a "Click" sound. If taking a photo in a dark environment, the device needs its infrared lamp or additional lamp to secure good quality videos. During the video recording the user can press the "Camera" button to make a photo.

Voice Recording

When you use the device for audio recording for the first time, please read the instructions in this section!

- (1) Press the "Voice" button in the video preview state to start recording; the working indicator lights on in yellow; please point the built-in microphone to the voice source.
- (2) Press the "Voice" button to end the recording and return to the preview interface.

The recording interface is shown below:

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Audio recording interface



- 1 Recording status
- 2 Current recording duration
- 3 Battery status

* Reminder

- Before recording, please adjust the desired recording sensitivity.
- Please delete some unnecessary files before recording.
- Please test the voice recording first to confirm that the audio and video recorder settings are correct.
- Do not pull out the memory card during audio/video recording mode. Otherwise, damage might be caused to the files.
- Do not cut off power during audio/video recording mode. Otherwise, damage might be caused to the recorder and the files might be lost or damaged.
- If you intend to use the device for a long period of time, please charge the device before recording.

One-Touch Playback Mode

Please note the instructions in this section. On the Preview interface, press the "Right" button quickly after the video recording file is saved, the Voice Tracer will directly play the file. Press the "Right" button quickly after the voice recording file is saved, the Video Tracer will directly play

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the file. By default, the one-touch playback will play the last video recording file as soon as the device is powered on.

Flashing Warning Function

In standby mode, long press the "Photo" button to turn on the flashing warning function. At this time, the machine will alarm and light up the warning light. The "Warning light" will flash alternately by the red and blue indicator lights. After turning on flashing warning function, long press the "Photo" button to turn off the alarm sound, and another long press to turn off the warning light.

Video Mode

On the camera preview status interface, we can use the "Left" button to enter the review playback interface, press "Left" or "Right" to select the video option, and then press the "Menu" button to confirm the video file list interface. The video file list reference interface is shown below:



Press "Left" or "Right" to select the video file. Press the "Menu" button to enter the video playback interface. The video playback reference interface is as shown below:



The deletion of the file can be done by connecting to a computer.

Recorded File Playing Illustration:

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- 1 File name
- 2 System current date and time
- 3 ID watermark
- 4 Recording mode
- 5 Current duration
- 6 Battery
- 7 Progress bar
- 8 Total file length

Video playing

- 1) Press "Left" or "Right" to select the file you need to play.
- 2) Press the "Menu" button to start playback, and the working indicator will light on in green.
- 3) During playback, press the "Menu" button to pause playback, press the "Menu" button again, and the playback will return to the previous position.

- 4) Press "Left" or "Right" during playback to select 2 times, 4 times, 8 times, 16 times, 32 times, 64 times to fast backward or fast forward the currently playing file.

Photo Mode

In the camera preview status interface, the "Left" button can be used to enter the review playback interface. Press "Left" or "Right" button to select the camera option, then press the "Menu" button to enter the camera file list interface. The camera file list reference interface is shown below:



Press "Left" or "Right" button to select the photo file to be played; press the "Menu" button to enter the photo browsing state, press "Left" or "Right" to switch the photo.

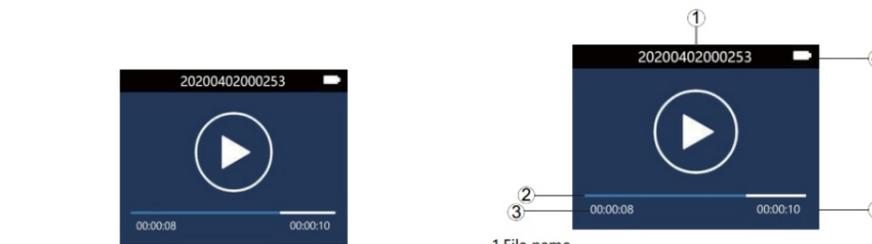
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Audio Mode

In the camera preview state, you can use the "Left" button to enter the review playback interface, press the "Left" or "Right" button to select the voice recording option, and then press the "Menu" button to enter the voice file list interface. The voice file list reference interface is as shown below:



Press the "Left" or "Right" button to select the audio file to be played; press the "Menu" button to enter the voice playback interface. The voice playback reference interface is as shown below:



Audio File Playing Interface Illustration:

1. File name
2. Progress bar
3. Current duration
4. Battery
5. Total file length

Voice play

- (1) Press "Left" or "Right" button to select the file you want to play.
- (2) Press the "Menu" button to start playback, the working indicator will light on in green.
- (3) During playback, press the "Menu" button to pause playback and press the "Menu" button again to resume playback.

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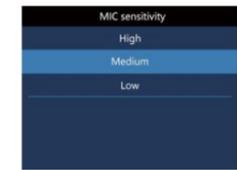
Setting Mode

Press the "Menu" button in the camera preview status interface, the system will enter the setting interface. System settings include: voice recording setting, video recording setting, camera setting and system setting. Press the "Left" or "Right" button to select and press the menu button to enter the selected option. Long press the "Menu" button to return to the preview interface.

Voice recording

Press "Menu" to enter the setting mode, press "Left" or "Right" to select the voice recording setting "Menu", press "Menu" to select, and the options of high, medium and low will pop up. Select different levels of microphone sensitivity to achieve different recording effects.

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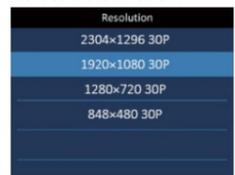
Recording setting

The video settings "Menu" includes: resolution, video quality, video pre-recording, video delay recording. Press "Left" or "Right" to select the option you want to set, and then press the "Menu" button to enter.

Resolution

Video resolution is of four levels, namely 2304x1296 30P, 1920x1080 30P, 1280x720 30P, 848x480 30P. Different video resolution options can meet the requirements in most application occasions. Press "Left" or "Right" to select appropriate resolution. Press the "Menu" button when the selection is completed, and long press the "Menu" button to return to the previous "Menu".

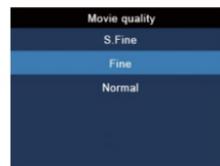
The reference interface is shown below:



Movie quality

There are three quality options to choose from on the Movie Quality menu: "S.Fine" (means excellent), "Fine", "Normal". According to different needs, different quality effects are selected. The better the Movie quality, the larger the memory occupied by the same video length.

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Video pre-recording

Apply the video pre-recording function to start the recording around the first ten seconds, before the "Record" button is activated. The video pre-recording has two options: off and on. Press "Left" or "Right" to select, and press the "Menu" button to confirm. Long press the "Menu" button to return to the previous "Menu". Pre-recording time: about 17 seconds.

Delayed recording

Apply the delayed recording function to continue the recording for a certain time after pushing the button to save the recording. There are five options for delayed recording: setting off, 5 sec, 10 sec, 20 min and 30 min. Press "Left" or "Right" to select and press the "Menu" button to confirm after the

selection is completed. Long press the "Menu" button to return to the previous menu.

Photo setting

The photo settings menu includes: photo size, photo quality, auto shooting and continuous shooting. Press "Left" or "Right" to select the option you want, and then press the "Menu" button to enter.

Photo size

The sizes of the photos are of 38M(7104x5328), 34M(7808x4392), 23M(6400x3600), 20M(5168x3872), 18M(5760x3240), 16M(5376x3024), 14M(4992x2808), 12M(4000x3000), 8M(3840x2160), 5M(3072x1728), 3M(2048x1536), 2M(1920x1080).

Press "Left" or "Right" to select the appropriate resolution. After the selection is completed, press the "Menu" button to confirm. Long press the menu button to return to the previous menu. The reference interface is shown below:

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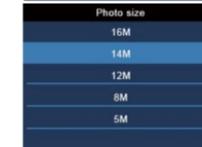


Photo quality

There are three quality options to choose from on the Photo Quality menu: "S.Fine" (means Superfine), "Fine", "Normal". According to different needs, different quality effects are selected. The better the picture quality, the larger the memory occupied by the photo.

Continuous shooting

Continuous shooting means press the "Photo" button to take photos during preview or recording mode. On the camera setting menu, select "Photo rate" and press the "Menu" button to enter. Continuous shooting offers five options: Off, 3 photos, 5 photos, 10 photos and 20 photos. Press "Left" or "Right" to select. Press the "Menu" button to confirm after the selection is completed. Long press the "Menu" button to return to the previous menu.

System setting

System settings menu includes: language, default settings, screen brightness, system time, auto power off, auto screen off, volume, in-car mode, video loop, in-car record, segment-

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ed video, key tone, indicator light, infrared switch, voice broadcast, plenary broadcast, motion detect, exposure compensation, WIFI, ID number and system info. Press "Left" or "Right" to select the option you want to set, and then press the "Menu" button to enter.

Language

In the language selection menu, you can select a language as the system language.

Default settings

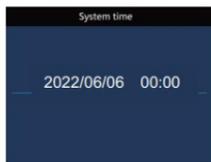
Apply the function to reset the device's setting options.

Brightness

When you want to use this function, you can adjust the brightness of the screen. The screen brightness can be set to three levels: high, medium and low. Press "Left" or "Right" to select the appropriate option. Press the "Menu" button to confirm after the selection is completed. Long press the "Menu" button to return to the previous menu.

System time

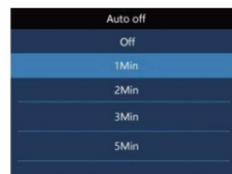
The system time setting interface is as shown below:



On this interface, press the "Menu" button and "◀" or "▶" to set the real time. Press "◀" or "▶" to change the value. Press the "Menu" button to confirm after the selection is completed. Long press the "Menu" button to return to the previous menu.

Auto off

If there is no operation on the device, the camera automatically shuts down after a certain period of time. The interface looks like following:



Auto screen off

There are four options for the auto screen off time: Off, 1Min, 5Min. If no operation is done to the device within the given time, the screen will black out. If "Off" is selected, the display will be constantly lit.

Volume

When you use this function, you can adjust the volume of the device.

The volume setting can be selected between 0 and 10. Press "◀" or "▶" to select the appropriate volume value. After the selection is completed, press the "Menu" button to confirm.

In-car mode

The device can be used as car driving recorder which defaults to "Off", and "Video loop" and "Video loop" are unavailable at this time. When the "In-car mode" is on, "Video loop" and "Video loop" are unavailable and "In-car mode" defaults to "Off".

Video loop

On the video settings menu, select "Video loop" and press the "Menu" button to enter. Press "◀" or "▶" to choose from the two options: on and off. After the selection is completed, press the "Menu" button to confirm. Press the "Menu" button to return to the previous menu.

The reference interface is shown below:



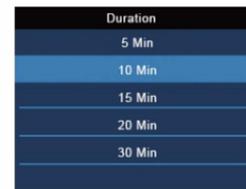
In-car record

When the function is used, you can choose whether you want to record the sound inside the car.

Duration

The segmented video has six levels: 5 minutes,10 minutes,15 minutes,20 minutes,and 30 minutes. During the recording process, the segmented video automatically saves the video file in segments and automatically switches to the next video recording.

The video segmentation function reference interface is shown below:



Key tone

When the function is used, there will be an audible prompt for button operation.

Indicator light

When the function is used, you can turn on or off the status indicator as needed.

Infrared switch

On the System Settings menu, press "◀" or "▶" button to select the "Infrared" menu, and then press the "Menu" button to enter the Infrared Switch menu. The menu offers two options: Manual and Auto. After the selection is completed, press the "Menu" button to confirm. Long press the "Menu" button to return to the previous menu.

Motion detect

After the audio and video recorder turns on the motion detection, please press the "Record" button. The audio and video recorder automatically turns on the recording function after an object enters the shooting range of the audio and video recorder. After the object leaves the shooting range for 10 seconds, the recording function ends and the recording file is saved. The motion detection function setting can be selected: off / on, also can set the sensitivity:Low,Medium,and High.

EV

Exposure compensation is an exposure control method that compensates for brighter or darker shots. You can adjust the brightness of your photos to create unique visual effects according to your own needs.

The exposure compensation setting can be selected from 13 values between -2.0 and +2.0. Press "◀" or "▶" to select the appropriate value. When the selection is completed, press the "Menu" button to confirm.

ID number

ID number setting interface is as shown below:



On this interface, press the "Menu" button and "◀" or "▶" to set the device number and user number. Press "◀" or "▶" to change the corresponding position value, and press the

<https://ceratech.co.uk/pages/technical-support-returns>

"Menu" button to confirm. Long press the menu to return to the previous menu.

System info

The system information menu includes: total storage capacity, available space, available video time, available audio time, battery power and version number.

Total storage capacity: local memory size information. Available space: remaining space information.

Available video time: the time length for the current video recording resolution.

Available audio time: the time length for the current audio recording type.

Battery level: current battery level information. Version number: firmware version information.

FAQ

This section has listed all the frequently asked questions to help you address the simple issues during use of the voice/video recorder. If issues persist, please consult support

Unable to start audio and video recorder

The batter has run out and you need to charge your device. no recycling shooting mode has been turned on. Please delete some of the files or transfer such files to external storage device.

Unable to play audio or video files

The batter is used up, please charge your device.

How to respond to recorder failure

Sometimes you will encounter in the operation the problems such as failure to power on or black screen, etc. The usual processing method is to reset it. The position of the "Reset"

Incorrect time/date

The audio and video recorder time is not accurate, and please reset the time on the menu.

Unclear image

Unclean lens has caused it. Please use clean cloth to clean it.

Fail to record audio/video

The internal storage of audio/video recorder has run out and button: open the USB cover, and you'll find a small hole in the slot; use tweezers or pointed item to click on the hole.

Note: This operation will not cause data loss or destruction.

Technical Parameters:

External Memory

Recording time reference(16GB): about 290 hours Type of Internal Storage: C10 TF card Mobile storage device (PC): Yes

PC Interface

Operating System: Windows 7,8,10,Vista/XP/2000, Mac OS X, Linux Port: USB

Voice recording

Mono: The bit rate is 128kbps, and the format is MP3

Operating conditions

Temperature: -30°C ~ 55°C Air humidity: 10% – 90%, non-condensing

