

# ONCALL V2D

## BODY CAMERA

## USER MANUAL



## About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We have made every effort to ensure that this User Guide is accurate and complete.

However, no liability is assumed for any errors or omissions that may have occurred.

The manufacturer reserves the right to change the technical specification and accessories without prior notice.

## Caution

Do not expose battery being placed in high temperature environment. If battery leaks or bulges, stop to use.

Risk of explosion if battery is placed by an incorrect type.

Dispose of used batteries according to the instructions.

Never replace the battery on your own. Doing so may cause the damage or explosion. Please have the dealer do it for you.

Do not put the LCD displayer or lens under the sunshine.

## Note

A specific emission frequency may influence the image quality.

Please try a few times of video-taking test before you formally use this product in order to be familiar with this product.

Always full charge the battery before use.

Never dismantle, crush, or pierce the product, or allow the product to short-circuit. Please persuade for professional assistance if the product doesn't work properly.

**Before you start using this product, it is assumed that you agree to the above statement.**

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This camera is new generation video recorder of High Efficiency video coding (HEVC, H.265) and low power consumption. If you record videos by using H.265 coding format, it is suggested to download Media Player Codec Pack (check below link) to assist to play back H.265 videos on windows Media Player.

**<https://www.mediaplayercodecpack.com/>**

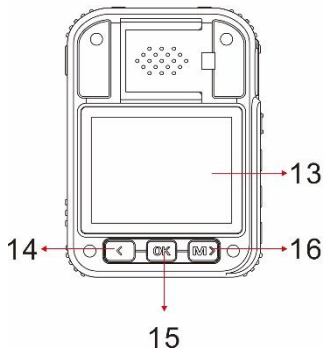
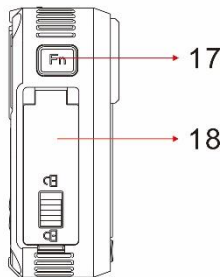
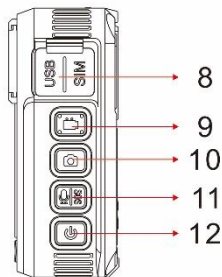
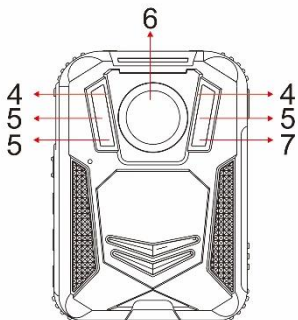
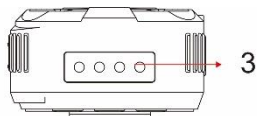
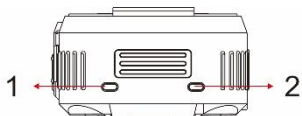
# 1. Introduction

Thank you for purchasing this product. This camera is specially designed for video recording, audio recording and photo shooting. Please read the user manual before you start to use it.

# 2. Box contents

- Body Camera
- Charging Dock
- Spare battery
- USB Cable
- Wall Charger
- Standard Clip
- Large Clip

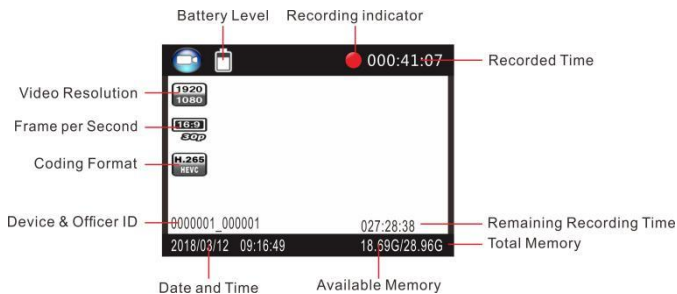
### 3. Product Overview



Item	Description
<b>1. Status Indicator LED</b>	<p><b>Still Green:</b> camera is in standby mode (Power on but not recording)</p> <p><b>Still Red:</b> camera is on pre-recording mode</p> <p><b>Flashing Red:</b> camera is recording video</p> <p><b>Flashing Yellow:</b> camera is recording audio only</p>
<b>2. Charging Indicator LED</b>	<p><b>Red:</b> Charging Status</p> <p><b>Green:</b> Camera is fully charged</p>
<b>3. Pogo Pin</b>	<p>Connection port to charging dock</p>
<b>4. White light</b>	<p>Hold OK button to turn on/off white light</p>
<b>5. Infrared LED</b>	<p>Providing infrared light compensation in low light conditions, to help camera record good quality video with clear face view up to 10 meters</p>
<b>6. Lens</b>	<p>Capture high resolution images/videos</p>
<b>7. Light Sensor</b>	<p>Detect changes of light and turn on/off IR for low-light recording automatically</p>
<b>8. USB port / SIM card slot</b>	<p>USB port is for power charging or data transmission;</p> <p>There is SIM card slot if camera has 4G functionality, otherwise there is no SIM card slot.</p>
<b>9. Video Recording Button</b>	<p>a) In power-on mode, short press to start/stop recording</p> <p>b) In power-off mode, hold for 3 seconds to power on camera and execute video recording function.</p>
<b>10. Snapshot Button / infrared light button</b>	<p>a) Press to take photo in standby mode or in video recording mode</p> <p>b) Hold to turn on/off infrared lights.</p>

<b>11.Audio / SOS button</b>	<ul style="list-style-type: none"> <li>a) Press to start/stop audio recording</li> <li>b) Hold to turn on/off SOS mode (flashing lights)</li> </ul>
<b>12. Power Button</b>	<ul style="list-style-type: none"> <li>a) Hold 3 seconds to power on/off camera</li> <li>b) In power-on mode, short press to turn on/off LCD .</li> <li>c) Short press to exit to previous interface when navigating setting or playing back files</li> </ul>
<b>13. LCD Screen</b>	View camera status and playback recorded files
<b>14.Scroll Up Button</b>	<ul style="list-style-type: none"> <li>a) Hold to switch 720P and 1080P resolution</li> <li>b) In Menu or Playback mode, short press to scroll down next page or file</li> <li>c) In standby or video recording mode, hold to zoom out</li> <li>d) In playback mode, press to rewind video</li> </ul>
<b>15. OK Button</b>	<ul style="list-style-type: none"> <li>a) In menu set-up, short press to make a selection</li> <li>b) In standby mode, press to review files</li> <li>c) In playback mode, press to pause/resume video or audio playback</li> <li>d) hold to turn on/off white lights.</li> </ul>
<b>16. Menu &amp; Scroll Down Button</b>	<ul style="list-style-type: none"> <li>a) In standby mode, short press to enter menu set-up</li> <li>b) In Menu or Playback mode, short press to scroll down next page or file</li> <li>c) In standby or video recording mode, hold to zoom in</li> <li>d) In playback mode, press to fast forward video</li> </ul>
<b>17. Fn button</b>	<ul style="list-style-type: none"> <li>a) Press to mark video/audio as importance when on video/audio recording.</li> <li>b) press to switch between video, photo and audio when playing back files.</li> </ul>
<b>15. Battery door</b>	Open it to change battery

## LCD Interface:





## 4. Main Menu Optional Detail

To enter the setting menu:

1. Press Menu button **M** and then enter the password.
2. Enter the password by the following commands:
  - Press Scroll Up button to change the character to the previous letter or number.
  - Press Menu button to change the character to the next letter or number.
  - Press OK button to confirm and move to the next character

PS: The default password is 000000.

3. After selecting the last character, press OK button to enter the setting menu.

To navigate the settings menu:

- Press Scroll Down button to select next setting or option.
- Press Scroll Up button to select the previous setting or option.
- Press OK button to move to confirm your selection or enter the sub-menu.
- Press Power button to return to the previous menu.

Following is a list of the available settings and options.

Setting	Description	Options
<b>Video Resolution</b>	The video resolution	2560×1440 30P 2304×1296 30P 1920×1080 30P 1280×720 30P 848×480 30P


<b>Coding format</b>	The coding format of video files	H.264, H.265
<b>Quality</b>	The quality of the video.	S. Fine, Fine, Normal
<b>Pre-record</b>	When on, a certain time (depend on video resolution) will be combined into the recorded video before record button is pressed to start recording; When off, video start until the Record button is pressed to start recording.	Off, On
<b>Post Record</b>	The amount of the time the camera waits to stop recording video after you press the Record button.	Off, 5 sec, 1 minute, 10 minutes, 20 minutes, 35 minutes
<b>Dewrap</b>	When on, video distortion correction will be corrected, with more power consumption.	Off, On
<b>Auto Record</b>	When on, camera will start video recording once it is powered on.	Off, On
<b>Loop Recording</b>	When on, camera will overwrite the oldest video file with the most current video file once its memory is full. This setting can be selected only when car DVR mode is on.	Off, On
<b>Split Time</b>	While recording video, the camera will automatically split its recording into files of this length.	1 min, 3min, 5 min, 10 min, 15 min, 20 min, 30 min, 45min


<b>Photo resolution</b>	The photo resolution	40M (8448×4752 16:9) 30M (7304×4104 16:9) 25M (6664×3752 16:9) 20M (5984×3366 16:9) 12M (4608×2592 16:9) 5M (3008×1688 16:9)
<b>Burst</b>	The number of images captured in a row when you take a photo.	Off, 2, 3, 5, 7, 10, 15, 20, 30
<b>Self Timer</b>	The time camera waits until taking a photo after you press Snapshot button.	Off, 5 sec, 10 sec, 20 sec, 30 sec, 1 min
<b>Slides Show</b>	When on, viewing photo file will start a slideshow where each photo will be shown for around 5 seconds.	Off, On
<b>Infrared</b>	When set to manual, you will need to hold Snapshot button to turn IR LEDs on/off. When set to Auto, these lights will activate automatically based on the light sensor's reading.	Manual, Auto
<b>Motion Detect</b>	When on, camera will start recording when front movement is detected by the lens.	Off, On
<b>Record Warning</b>	When on, you will hear a voice confirmation when you start recording. When off, voice confirmation is disabled.	Off, On
<b>Global Positioning</b>	When GPS is on, position of video will be recorded and can be reviewed by GPS player.	Off, On
<b>WiFi</b>	WiFi mode	ON(STA); ON(AP); OFF
<b>Time Zone</b>	Adopt local time in real time zone	-12 to +12 Default 0
<b>Language</b>	The language of the text in camera interface	English, 繁體中文, Русский, JezykPolski, French, 日本語, Portuguese

<b>Screen Saver</b>	The amount of the time the camera can be idle before deactivating the display to conserve power.	Off, 30 sec, 1 min, 3 min, 5 min
<b>LCD Brightness</b>	Screen lighting to view	High, Low
<b>LED Light</b>	When on, indicator LED will tell the status of the camera; When off, camera is entering covert mode	On, Off
<b>Key Tone</b>	When on, camera will play a tone each time you press a button. When off, tone is disabled.	On, Off
<b>Motor</b>	Switch of vibration indication	On, Off
<b>Volume</b>	The volume of camera speaker. This affects the loudness of video playback, audio playback, the key tone, record warning, and any other sounds played by camera. This doesn't affect the volume of the recorded video or audio files themselves.	0-12 Default 12
<b>Time Setup</b>	Adjust time to real location	yyyy/mm/ddhh/mm
<b>ID setting</b>	User can set Device SN and Person SN	Alphanumeric characters
<b>Password</b>	If password is on, user needs to enter password to get access to setting and connection to PC	On, Off
<b>Change Password</b>	Password can be set or changed	Alphanumeric characters
<b>Default setting</b>	Use this to return camera to its original settings. This does not erase the memory	O (Yes), X (No)
<b>FW Name</b>	Firmware version	



## 5. Operation

### 5.1 Power on/off

hold Power button  for 3 seconds to start up and enter standby mode; at any mode with holding Power button  for 3 seconds, camera will shut down.


PS: at standby / video recording / audio recording mode, short press power button , screen saver can be on/off.

### 5.2 Audio recording



In standby mode, press audio Recording Button  for audio recording. Camera will beep, and vibrate once and LED indicator on the top turns yellow and flashes. Press again audio Recording Button  to stop audio recording (camera vibrates twice) and save the file.

In audio recording mode, short press Fn button to remark the file as an important file, the yellow star icon will appear at the right side on screen.

### 5.3 Photo shooting


At standby mode, press photo button  to take photos.

### 5.4 Video recording


In standby mode, press video Recording Button  to start video recording. Camera will beep, and vibrate once and LED indicator on the top turns red and flashes. Press again video Recording Button  to stop video recording (camera vibrates twice) and save the file.

In video recording mode, short press Fn button to remark the file as an important file, the yellow star icon will appear at the right side on screen.

### 5.5 One-button video recording

At power-off mode, hold video Recording Button  for three seconds for powering on the camera and start video recording immediately.

## 5.6 PIV (picture in video)


In video recording mode, press photo button  to capture photo.



## 5.7 Zoom

In standby or video recording mode, hold Scroll Up button and scroll down button to zoom in and out the image.

## 5.8 IR night vision

Under dark circumstances, infrared LED will help to record clear image or video.

In standby mode, PRESS Menu button  to navigate. Find option

【Infrared】, PRESS OK button  to enter sub-menu: Manual & Auto, press OK button  to select.

1) Auto infrared mode:

In low light situations (1 Lux), 2 IR LEDs will be turned on automatically, camera switches on infrared filter lens, video image turn black and white. Otherwise, when circumstance brightness grew up, IR LED turns off, and image becomes colorful again.

2)Manual infrared mode:

When night vision is needed, hold snapshot button to switch to Infrared mode, IR LEDs will be turned on, black and white image. Hold this button again to turn off IR LEDs, image becomes colorful.

## 5.9 White LED

In standby or video recording mode, hold OK button to turn on/off white LED.

## 5.10 Playback

In standby mode, press OK button to enter playback mode. There are Video, Photo, and Audio options. Press Fn button to select, and press OK button **OK** to confirm the selection.

- 1) In video file playback mode, PRESS OK button **OK** to pause/resume playback; PRESS scroll-Up button to rewind, PRESS Scroll-down button to fast forward, then PRESS OK button **OK** to play normally. You can fast forward or rewind 2x, 4x, 8x, 16x, 32x, 64x.
- 2) In photo file playback mode, hold scroll-Up button and Scroll-down button to zoom in and out the image. Adjustable is X1.0~X10.0. In the zoom in and out image, short press scroll-Up button and Scroll-down button to move the image to right or left side.

## 5.11 Reset

In any case the camera is frozen, use a pin to reset and restart the camera. Reset button is inside USB port. Password remains the same.

## 5.12 Device ID/ User ID

In standby mode, PRESS Menu button **M** to enter settings. Find [ID setting], PRESS OK button **OK** to select, then the Device & Person SN interface will show up, 5 characters for device ID and 6 characters for person ID. PRESS scroll-Up button or Scroll-down button to choose a character, then PRESS OK **OK** button to select.

## 5.13 Time Setting

In standby mode, PRESS Menu button **M** to enter settings. Find Time bar, for example, 2008/02/02 07:40. PRESS OK button **OK** and enter the password, then users can change the date and time. Press scroll-Up button or Scroll-down button to choose a character, then PRESS OK button **OK** to select.

## 5.14 USB Drive video/picture/audio files

After being connected to PC, password interface shows up on camera LCD, please enter the password(default password is 000000)Press the (ok) button 6 times, the camera will be recognized by the computer as USB drive. User can go to camera folder DCIM and can access or delete video files.

## 5.15 Charging

When camera batter is low, the battery icon will flash in the display, and you will hear a alert tone. When this happens, charge the camera.

While camera is charging, indicator light turns red and will turn green after camera is fully charged. It will take approximately 4 hours to fully charge the camera.

### Charging methods:

- 1). Use a USB cable to connect camera's USB port to a USB port on your computer (powered on) or USB power adapter (connect to a power outlet)
- 2). Attach camera to the charging dock. Use a USB cable to connect the charging dock to a USB port on your computer (powered on) or USB power adapter (connect to a power outlet). Charging dock will show red LED to indicate power is on. Camera charging indicator LED will turn green when charged. When charging spare battery, the second docking bay light will turn green from blue when charged.



## 5.16 WiFi App

App allows access to limited video and system settings, video files and live view through phone.

1. Install **Eyescam Pro** app to phone for free from the Play Store or App Store



2. Using the camera menu toggle to WiFi and turn on, **click twice to ON(AP)**.

On the LCD screen the wi-fi signal icon will turn green.

3. Open phone to Wi-Fi settings and connect to **H22\_WIFI\_AP** (wi-fi name). Password: 12345678

4. Open the Eyescam Pro app on phone and click **Connecting Device**.

\*If you forget or need to change the wi-fi name or password for the body camera, connect the camera to the pc. Click MISC file and then wifi.conf. Bottom section labeled SoftAP configuration contains wi-fi name (AP\_SSID=) and password (AP\_PASSWORD). It can be changed here but keep spacing the same when replacing.

\*\*Under 5 minute video files can be downloaded through phone app. With camera connected to the open app, click on Recorder File for list of video files. Click on the Edit icon in upper right of screen. Select picture or video to download. A blue dot will appear on the thumbnail. Click the word Download on the bottom left of screen. A green check mark will appear on the files that have been downloaded. Use same procedure to delete files but press red Delete in bottom right of screen.

\*\*\*Use Reset Camera Setting if performance issues with camera. Password will default to 000000. This is the only way to access camera if password is forgotten. Leave wifi setting on to avoid being locked out of camera.

\*\*\*\***WARNING:** Formatting Camera Storage will delete all video files on memory card. Save files if needed before formatting.

## 5.17 GPS

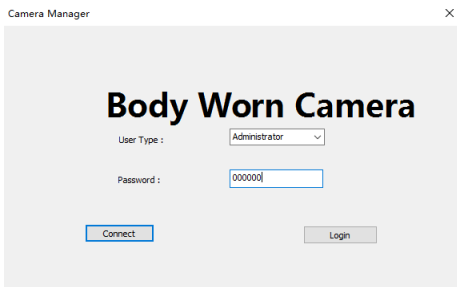
- 1) In camera menu toggle to GPS and turn ON. Wait for camera to connect to GPS before recording. GPS icon will turn green when connected. If in a building, camera may not connect, move outdoors for connection. Record video.
- 2) Download and install from included CD the GPS Player 3.1.0.1 on pc. Connect camera to PC and open GPS player.
- 3) On video playback toolbar click the File Icon (next to FFwd icon) and find and click on video file to play. Click Open and video will start playing.

Can also Click **File** on top toolbar and then click on **Setting. Browse** to find video file location and highlight file. Click OK. Click Open on toolbar and click video file displayed to play.

## 6. Camera setting through CAM MANAGER

Camera settings can be changed within the LCD screen menu or by docking the camera to a PC by using the software CAM MANAGER.

- 1) Insert CD and copy the Cam Manager folder to PC.
- 2) Plug docking station into PC with USB cable and dock camera.
- 3) Open Cam Manager folder that was copied to PC or from CD and select Camera Manager to open window.



- 4) Enter password (000000 default password), press Connect, box will show Connected, then press Login. Click OK on Success window for Settings window to open. Note, password must be turned on for Cam Manager to work.

Camera Config

Resolution:	<input type="text" value="2304x1296 3f"/>	Infrared:	<input type="text" value="MANUAL"/>	4G:	<input type="text" value="OFF"/>
Quality:	<input type="text" value="Fine"/>	Time Zone:	<input type="text" value="0"/>	WIFI:	<input type="text" value="OFF"/>
Codec:	<input type="text" value="H.265"/>	Volume:	<input type="text" value="12"/>	Post-Record:	<input type="text" value="OFF"/>
Spilt Time:	<input type="text" value="3 Min"/>	GPS:	<input type="text" value="ON"/>	Auto Record:	<input type="text" value="ON"/>
Loop Record:	<input type="text" value="ON"/>	Rec Warning:	<input type="text" value="ON"/>	Motion Detect:	<input type="text" value="OFF"/>
Pre-Record:	<input type="text" value="OFF"/>	Photo Size:	<input type="text" value="40M(8448x47)"/>		

Live Stream

Resolution:	<input type="text" value="1280X720 15P"/>	Coding Format:	<input type="text" value="H.265"/>
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5) Click “Get” to show current camera settings. Choose setting to adjust from drop down box and select desired setting. Click “Set” to save setting. Device ID and Password can also be changed here too.

## 7. Optional H22 External Camera

Plug camera into USB port. Camera must have Wifi function turned off. Turn on camera. Use record buttons on external camera to start and stop recording. While recording press front audio button to mute and unmute audio.