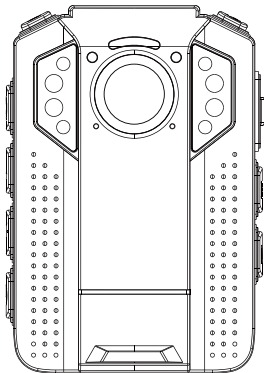


# BODY WORN CAMERA

# User manual



**V2.1**

# CATALOGUE

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## I .Introduction

This is a lightweight body worn camera specifically designed for law enforcement. The camera features real time HD video, 1440P recording, and a high resolution still image capture visible on the LCD screen for instant playback; The rugged design is resilient to withstand demanding work environments faced by law enforcement officers, corrections, military and security detail.

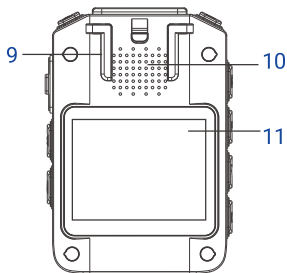
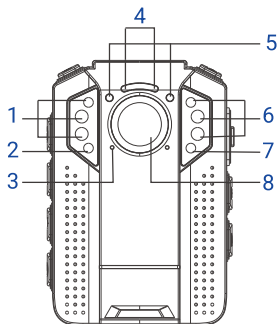
## II .Package Contents

- 1 x Body worn camera
- 1 x Shoulder clip
- 1 x Charger adapter
- 1 x User manual
- 1 x Chest clip
- 1 x Micro usb cable

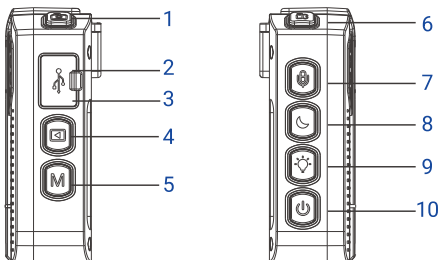
## III.Structure Design

Item	Name	Description
1	IR light	Record clear image in HD in low light situations. 10 meters visible.
2	IR Sensor	The sensor will detect the brightness of the environment, and then activate the IR light and switch to night vision mode.
3	REC Microphone	Capture the environment voice during the recording mode.
4	Flashing light	The flashing light include both red and blue light, when hold press the light button, it will trigger the flashing light.
5	Status indicator	Red blinking means video recording, yellow blinking means audio recording, solid green means standby.
6	IR light	Record clear image in HD in low light situations. 10 meters visible.
7	White light	Short press the power on/off button to enable the light for auxiliary lighting.
8	Lens	HD camera lens.
9	Clip slot	Put the clip in to fix the clip
10	Speaker	For voice playback, and voice report.
11	LCD screen	It's 2 inches screen for preview and local playback.

Front view










## Side view



Item	Name	Description
1	Snapshot button	Press this button to start capture the pictures, even during video recording mode.
2	USB port	Connect to USB cable for charging or connect to PC.
3	Reset button	Open the USB port cover, press it to do the hardware reset.
4	Playback button	Press the button to enter into the playback interface during the live view mode, review video, image and audio files/Press the button to confirm the option.
5	Menu/Backward button	Press the button to enter into the configure menu to modify the parameters/Press the button to return to previous step.
6	Video REC button	Press this button to start the video recording
7	Audio REC button	Press the button to start the audio recording only.
8	Remark button	Press this button to mark the recording video or enable the IR manually.
9	Light button	Press this button to enable the flashing light and white light, short press it to enable white light, hold press it to enable the flashing light.
10	ON/OFF button	Hold press this button for 3 seconds to start up camera or turn off camera.

## IV. Main menu

In preview mode, press  to enter into main menu interface, press  /  to select the optional menu, and then press  to confirm the operation, and then press  /  to select the sub-options, and then press  to save the option.

Item	Menu	Options
1	Video resolution	1440P30,1296P30,1080P30,720P30,480P30
2	Video quality	Low, Medium, High
3	Video clip	10min, 20min, 30min, Auto
4	Pre-recording	ON, OFF
5	Post-recording	OFF, 5sec, 10sec, 30sec, 1min, 2min, 5min, 10min
6	Photo pixel	4M, 8M, 14M, 26M, 34M, 40M, 48M, 58M
7	Snapshot	OFF, 2 PCS, 3 PCS
8	LCD Brightness	Low, Medium, High
9	Screen off	OFF, 30sec, 1min, 3min, 5min
10	Video mark	ON, OFF
11	Volume	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
12	Indicator sound	Voice, Beep, Mute
13	Key sound	ON, OFF
14	Hourly report	ON, OFF
15	Indicator light	ON, OFF
16	White light	ON, OFF
17	Flashing light	ON, OFF
18	Sound alert	ON, OFF
19	Vibration	ON, OFF
20	IR mode	OFF, Manual, Auto
21	IR Sensitive	Low, Medium, High
22	Auto shutdown	OFF, 10mins, 20mins, 30mins, 60mins
23	Motion detection	ON, OFF
24	Security password	ON, OFF
25	Start logo	ON, OFF
26	STAMP	ON, OFF
27	Date/Time	Detail time
28	Date Format	Y/M/D, M/D/Y, D/M/Y
29	Default setting	ON, OFF
30	FW version	Version details

## 1.Video resolution

The body worn camera offers five different recording resolutions. Resolution and frame rate options feature a proper balance between video quality and maximizing amount of video stored. It supports 1440P30,1296P30,1080P30,720P30,480P30

## 2. Video quality

Select video quality based on the need of quality video for recording. High means the best quality, which will encode with a big bit rate.

## 3. Video clip

Video clip selection defines the length of each video segment, and this option only is used for video recording, invalid for audio recording. Sub-option: Auto, 10 minutes, 20 minutes, 30 minutes; auto means it will create a file in almost 2GB size, and the time is about one hour, it depends on the video resolution.

## 4. Pre-recording

Pre-recording saves an additional time of video before the video recording button is pressed, and the additional time is about 30 seconds. After the option of pre-recording is enabled, the camera can not snapshot, but the snapshot will work during the video recording.

For example, we set the value between setting the pre-recording and pressing the video recording as X, if  $X < 30s$ , the camera will save an additional video for X seconds before the video recording button is pressed, if  $X \geq 30s$ , the camera will save an additional video for 30 seconds before the video recording button is pressed.

## 5. Post-recording

Post-recording means how long the camera should continue to record after the video recording button is pressed to stop recording.

## 6.Photo pixel

The photo pixel provides options for still image resolution,4M~58M optional.

## 7.Snapshot

In preview mode, long press the snapshot button to shoot the selected number of pictures, and you can set the option as 2 PCS, 3 PCS,or Turn it off.

Remark: When video recording is working, the option will not work.

## 8. LCD brightness

Adjust the body camera LCD brightness to fit lighting situation for better image and video view. It has three levels: Low, Medium, High.

## 9. Screen off

Switch off the screen after a certain time if there is no operation, which will save the power consumption.

## 10. Video mark

During the video recording, press  button, it will mark the recorded video automatically, it will show a sin in the preview, and the marked video file will save the name with "IMP".

## 11. Volume

Select volume level option to increase or decrease all the volume of camera, including playback, key sound, indicate sound and so on.

## 12. Indicator sound

This option means when the user do the operations with camera, It will give the accordingly response, beep or voice, and it will applied to the operations as follow:

1. Start/Stop video recording;
2. Start/Stop audio recording;
3. Power on/off the camera;
4. Low battery;
5. Inadequate storage space;

## 13. Key sound

Select to turn the key tone ON of OFF when you press the keys.

## 14. Hourly report

Select to turn the hourly notice ON or OFF, it will give the voice report hourly if the switch is ON.

## 15. Indicator light

Select to turn all the LED ON or OFF, including the status LED and power LED.

## 16. White light

Select to enable the white LED or not, when it's on, short press the power ON/OFF button to active the white light.

## 17. Flashing light

Select to enable the flashing red and blue light or not, when it's on, short press the flashing light button to active the red and blue flashing light.



## 18.Sound alert

Select to enable the sound alert or not, when it's on, hold press the flashing light button to active the red and blue flashing light with sound.

## 19.Vibration

Select to enable the vibration or not, when it's on, as a reminder, it will vibrate when users touch any function key.

## 20.IR mode

If the users choose manual mode, when the camera is using video recording or in preview mode, long press M key to active it or inactive it.

Remark: If the users choose auto mode, the IR will work when the environment is dark. Similarly, when the environment is bright, the IR will be closed automatically.

## 21.IR sensitive

IR sensor will detect the brightness of the environment according to the sensitivity, High means the most sensitive, which will activate the IR light and switch to night vision mode quickly.

## 22.Auto shutdown

Turn off the camera after a certain time if there is no operation.

## 23.Motion detect

If there is something moving in the screen when the device is in preview mode, the video recording will work automatically, otherwise, the video recording will stop working automatically.

## 24.Security password

Select to turn playback password ON or OFF. When it is ON, it will require the password when the users go to playback mode and menu mode, and the default password is 000000.

## 25.Start logo

Select to turn the start logo ON or OFF, it means the logo picture will be shown when camera start up and shutdown.

## 26.Stamp / Watermark

In this option, you can setup the information that will overlay on the recording files.

## 27.Date/Time

In this option, you can setup the correct date and time.

## 28.Date format

There are three options that you can choose the display of date as you like.

## 29.Default setting

When it is set as ON, the camera will auto-reboot to clear all the settings of menu, but all the playback files will still in the camera.

## 30.FW version

Enter this option to check the firmware version of the camera.

## V .Preview Window Display


The body worn camera LCD screen is a small monitor to display various camera information and operation status.




Item	Name	Description
1	Recording resolution	The resolution that camera recording
2	Video recording icon	Yellow means recording
3	Snapshot icon	Yellow means snapshot success
4	Motion dection icon	When motion dection is tracked, the icon will display
5	Officer ID number	The officer ID of this camera
6	Date/Time	The current date/time
7	The remain recording time	How long the storage can record
8	Post-recording time	Post-recording time countdown
9	Battery status	The current status of the battery
10	Video mark icon	The video recording be marked
11	Storage size	The current size of the storage

## VI.Simple Operation



### (1) Turning On the Camera

In power off status, long press  for 3 seconds, the camera will be turn on and enter into preview mode automatically. Meanwhile, the status indicator will turn green.



### (2)Turning Off the Camera

In preview mode, long press  for 3 seconds, the camera will save the current status and power off. Meanwhile, the status indicator will turn off.



### (3)Snapshot

In preview mode, press  to take a photo; long press  to take more photos continuously, the quantity of photo can be configured in the menu. There is a "crack" sound when a photo was taken, and the photo will be saved in JPG format automatically.



### (4)Video Recording

In preview mode, short press  to start recording. Meanwhile, the status indicator will turn red and flash, and the recording icon will turn to yellow. Short press  again to stop recording, and the video will be saved in MOV format automatically.



### (5)Audio Recording

In preview mode, press  to start audio recording. Meanwhile, the status indicator will turn to yellow and flash. Press  again, the camera will stop audio recording, and the audio will be saved in WAV format automatically.

### (6)One Touch Video Recording



In powered off status, long press  , the camera will be turn on and start video recording. Press  again, the camera will stop video recording, and the video will be saved in MOV format automatically.

### (7)One Touch Audio Recording






In powered off status, long press  , the camera will be turn on and start audio recording. Press  again, the camera will stop audio recording, and the audio will be saved in WAV format automatically.

### (8)White light

White light is used for auxiliary illumination when the brightness of environment is not good.








In power on status, short press  to turn on the white light, and short press  again to turn it off.

## (9) Playback

In the preview mode, press  button to enter into the playback interface. The move left icon is  and the move right is  , press  to confirm your selection, press  to exit, as the figure shown:

Left→ video  Right→ photo   → playback  Exit→ menu 

## (10) Menu configuration

In preview mode, press  to enter menu interface, press  /  to select the optional menu, and then press  to confirm the operation, and then press  /  to select corresponding icon, and then press  to active the option.

## VII.About Recharge

### (1) Notice

When you recharge the body camera, please make sure it is OFF. Also, even you don't use the camera for a long time; please recharge it every 3 months.

### (2)Charging the Battery

This camera has a chargeable battery built in. In case of low battery, please connect this camera to power supply for battery charging.

Connect this camera and adapter via USB cable, and connect adapter to power supply to charge the battery. In charging status, the status indicator will turn red. Once the battery is fully charged, the status indicator will turn green.

