

# **XMRX2**

## **User manual**



# Content

1. Introduction.....	1
2. Structural Diagram.....	2
2.1 Front view.....	2
2.2 Back view.....	3
3. Basic Operations.....	4
3.1 Live view window.....	4
3.2 Main menu.....	4
4. Device using.....	9

# 1. Introduction

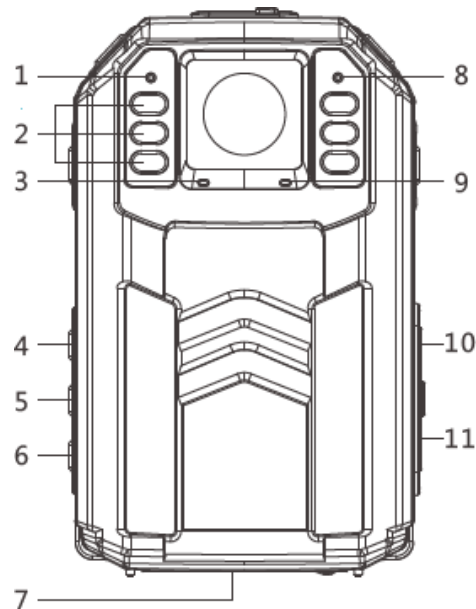
XMRX2 is a full featured body worn camera specifically designed for Law Enforcement. The camera features real time HD video, 1296P recording, and a high resolution still image capture visible on the LCD screen for instant playback, with wide angle; The rugged design is resilient to withstand demanding work environments faced by law enforcement officers, corrections, military and security detail.

## Package Contents

- \* Body worn camera
- \* USB cable
- \* USB power adapter
- \* CD with manual and software
- \* Universal metal clip

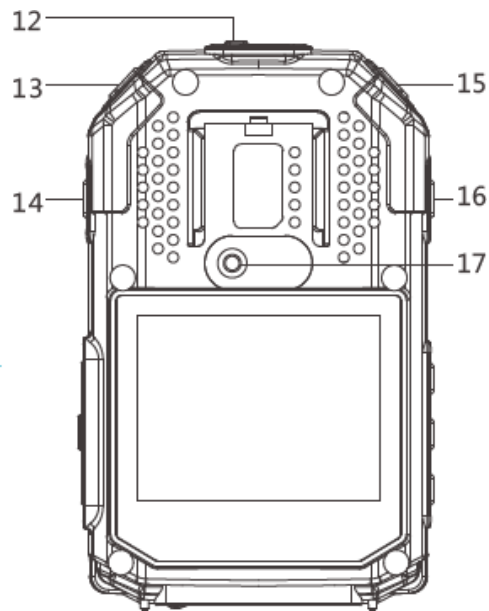
## 2. Structural Diagram

### 2.1 Front view



Item	Name	Description
1	Charge indicator	Solid red means camera is recharging, solid green means the camera recharging is completed.
2	IR light	Record clear image in HD in low light situations. 10 meters visible.
3	Microphone	Capture the environment voice during the recording mode.
4	Multi-functional button	Press the button to enter into the configure menu to modify the parameters.
5	Playback button	Press the button to enter into the playback interface during the live view mode, review video, image and audio files.
6	ON / OFF button	Press this button to power on or power off the camera.
7	Data interface	The interface for docking, walkie-talkie and external battery connection.
8	Working indicator	Red blinking means video recording, yellow blinking means audio recording, solid green means standby.
9	Intercom Mic	Capture the environment voice during using the intercom function after the camera connects with the intercom device.
10	HDMI port	Connect to the display screen
11	USB port	Connect the USB cable for charging or connection to PC

## 2.2 Back view

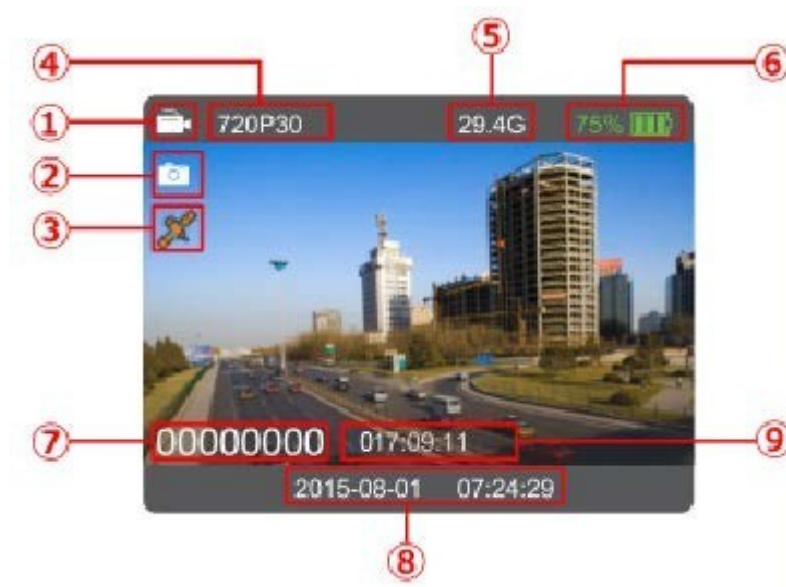


Item	Name	Description
12	External camera port	Connect to external camera, when it is connected, the image will switch to external camera automatically.
13	Video REC button	Press this button to start/stop the video recording
14	Audio REC button	Press this button to start/stop the audio recording
15	Snapshot button	Press this button to start capture the snapshots, even during video recording mode.
16	PTT button	Press to communication via connected walkie-talkie
17	Reset button	Press to power off the camera forcibly

# 3. Basic Operations

## 3.1 Live view window

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



Item	Name	Description
1	Video recording icon	Yellow means recording
2	Snapshot icon	Yellow means snapshot success
3	GPS icon	Yellow means GPS detected, green means GPS signal is valid.
4	Recording resolution	The resolution that camera recording
5	Storage size	The remaining size of the storage
6	Battery status	The current status of the battery
7	Officer ID number	The officer ID of this camera
8	Date/Time	The current date/time
9	The remaining recording time	How long the storage can record

## 3.2 Main menu

In preview mode, press **M** to enter into main menu interface, press **⏏**/**📷** to select the option menu, and then press **▶** to confirm the operation, and then press **⏏**/**📷** to select the sub-options, and then press **▶** to active the option.

**Menu list:**

- 1.Video resolution    2.Video quality    3. Video clip    4.Pre-recording    5.Post-recording  
 6.Photo pixel    7.Snapshot    8.LCD brightness    9. Screen off    10. Video loop  
 11.Volume    12.Indicate sound 13. Key sound    14.Hourly notice    15. Indicate light  
                   16. Auto IR switch    17.GPS    18.Language    19. Auto power off  
 20.Microphone    21.Motion detect    22. Security password    23. IR Sensitive  
 24.Start logo    25. Default setting

Menu	Options
Video resolution	1296P30, 1080P30,1440P30, 720P60, 720P30, 848P60, 848P30
Video quality	Low, Medium, High
Video clip	10min, 20min, 30min, Auto
Pre-recording	ON, OFF
Post-recording	OFF, 5sec, 10sec, 30sec, 1min ,2min, 5min, 10min
Photo pixel	5M, 8M, 10M, 12M, 16M, 21M, 32M
Snapshot	2 PCS, 3 PCS, 5 PCS, 10 PCS, 15 PCS, 20 PCS
LCD brightness	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Screen off	OFF, 30sec, 1min, 3min, 5min
Video loop	ON, OFF
Volume	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Indicate sound	Mute, Voice, Beep
Key sound	ON, OFF
Hourly notice	ON, OFF
Indicate light	ON, OFF
Auto IR switch	OFF, Manual, Auto
GPS	ON, OFF
Language	English, 日本語, Español, русский
Auto power off	OFF, 10min, 20min, 30min, 60min
Microphone	ON, OFF
Motion detect	ON, OFF
Security password	ON, OFF
IR Sensitive	Low, Medium, High
Start logo	ON, OFF
Default setting	ON, OFF

## 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.

Options	Display resolution	Images per second
720P30	1280*720	30
848P60	848*480	60
848P30	848*480	30
1296P30	2304*1296	30
1080P30	1920*1080	30
1440P30	1440*1080	30
720P60	1280*720	60

## 2. Video quality

Select video quality based on the need of quality video recording. High means the best quality, which will encoding with 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, depends on the video resolution.

## 4. Pre-recording

Pre-recording saves an additional seconds of video before the video recording button is pressed, and the additional seconds 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 button) as X, if  $X < 30s$ , the camera will store an additional video for X seconds before the video recording button is pressed, if  $X \geq 30s$ , the camera will store 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.

## **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, 5 PCS, 10 PCS, 15 PCS, 20 PCS. 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. 10 is highest level.

## **9. Screen off**

Switch off the screen after a certain time if there is not any operation, which will save the power consumption.

## **10. Video loop**

When you create one new video recording file, if the file size is more than the remaining storage of camera, the camera will delete the most original file, so that the new file can be saved.

Here if the video file is tagged as imp file, the imp file cannot be deleted.

## **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. Indicate sound**

This option means when the user do the operations with camera, it will give the corresponding response, OFF, beep or voice, and it will applied to the operations as follows:

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

### **13. Key sound**

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

### **14. Hourly notice**

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

### **15. Indicate light**

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

### **16. Auto IR switch**

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.

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. Auto mode just works when video recording is in use, and it will not work in preview mode.

Remark: when it is auto mode, the users cannot press M key to active it.

### **17. GPS**

Select to turn GPS function ON or OFF.

For X2, it can only support external GPS through the pogo-pin connector.

### **18. Language**

The language will be applied to the screen display and all the voice notice, and the users can choose English, 日本語, Español, русский.

### **19. Auto power off**

Turn off the camera after a certain time if there is any operation.

### **20. Microphone**

Select to turn the built-in microphone ON or OFF, when start audio recording, even the microphone is OFF, it will be active automatically.

### **21. 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.

## 22. Security password

Select to turn security 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.

## 23. IR Sensitive

It will help the camera to detect the brightness of environment, and check if the camera will activate or inactivate the IR.

## 24. Start logo


Select to turn the start logo ON or OFF, that means when the camera will show the logo picture when start up or shutdown.

## 25. 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 be in the camera.

# 4. Device using



## 1. Turning On the Camera

In power off status, long press  for 3 seconds, the camera will be turn on and then go to the preview mode. Meanwhile, the status indicator will turn to 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 go off.



## 3. Snapshot

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

## 4. One Touch Snapshot



In power off status, long press , the camera will be turn on, and there is a crack sound and a photo will be taken, and the photo will be saved in JPG format automatically.

## 5. Recording Video



In preview mode, press , the camera will start recording video. Meanwhile, the status indicator will turn red and blinking. Press  again, the camera will stop recording, and the video will be saved in MP4 format automatically.

**Remark:** During video recording, long press “Audio REC” button to mark the video as important video, press again to cancel it. And press “Snapshot” button to zoom in and zoom out



## 7. One Touch Video Recording

In power off status, long press , the camera will be turn on and start recording. Meanwhile, the status indicator will turn red and flash. Press  again, the camera will stop recording, and the video will be saved in MP4 format automatically.



## 8. Audio Recording

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

## 9. One Touch Audio Recording






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

## 10. IR Mode

Manual mode: in preview mode or during recording a video, long press  to switch to IR mode. Long press  again to exit from IR mode.

Auto mode: during recording a video, when the ambient brightness is not good, it will automatically turn on IR function; and when the brightness is good, it will automatically turn off.

## 11. Playback

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

Left→ video  Right→ photo  OK→ playback  Exit→ menu 

## 12. PTT Intercom

Insert connecting cable of intercom into data interface of body camera to enable the PTT intercom function.

**Remark:** The connecting cable should be selected according to the model of intercom. For any questions, please contact the manufacture directly.

## 13. Reset

In case the camera crashed and it can't be power on or power off, press this button to reboot it, and then try again.

**Remark:** This operation will not cause loss or damage of any data and any setting.

## 14. HD Output





Connect HDMI display device to this camera via HDMI interface to view HD photo/video saved in this camera.

## 15. Extend Functions

This camera can be connected to other devices, such as external camera, etc.

**Remark:** Please use the external equipment certified by our company to ensure good compatibility with this camera.

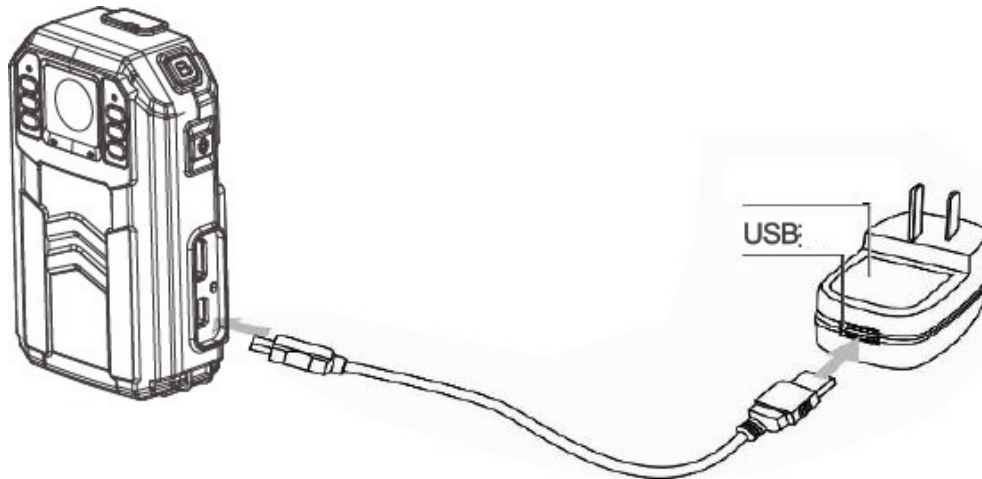
## 16. Menu setting

In preview mode, press  to enter into the menu interface, press  /  to select corresponding icon, then press  to confirm the operation.

## 17. 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.



**Remark:** When you recharge the body worn 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.