## FCC Caution:

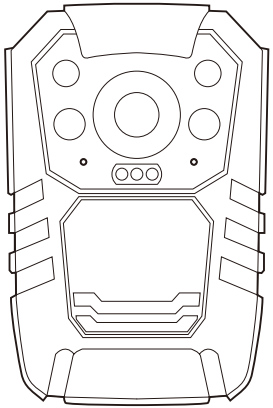
ny changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction
FCC ID: 2BH2O-I826PRO

# Instruction Manual & Warranty Card

## WiFi Police Body Worn Camera



Thanks for choosing our 4G/WiFi police body worn camera. Hope the camera can help you in the work of law enforcement.

## Product Overview

The WiFi Police Body Worn camera developed by us has many process technologies such as GPS, photography, video and audio recording. It can help you collect evidence, standardize law-enforcing conduct, and assure the accuracy and fairness of law enforcement.

## Product Features

| Item | Parameter |
|---|---|
| Max Pixel | 40 Mega Pixels |
| Video Resolution | 2560*1440 / 2304*1296 / 1920*1080 / 848*480 |
| Display Screen | 2 inch TFT-LCD HD Clear Color Display Screen |
| Wide Angle | 140° Wide-Angle Lens, Image Without Deformity |
| Memory Capacity | Build-in 32G/64G/128G Optional |
| Video Encode Format | H.264/H.265 |
| Battery Capacity | Built-in 3500 mAh Lithium |
| Continuous Recording Time | Continue recording time up to 9 hours (battery full charged, WIFI/GPS/IR closed, and resolution ratio 1280*720 30p ) |
| Shoulder Microphone | Support All Kinds of Walkie-Talkie |
| Positioning System(Optional) | GPS / Beidou Positioning |
| Car Mount(optional) | Support |
| External Power Supply(optional) | Support |



## Quick Operation

Long press to power on/off, and short press to turn on/off screen.

Short press to start voice recording, and short press again to stop.

Short press to take a photo, and long press it to turn on/off LED white light.

Short press to start video recording, and short press again to stop.

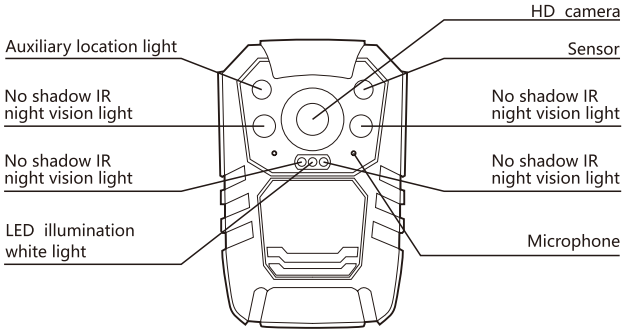
Short press to turn on infrared light, and short press again to turn it off.

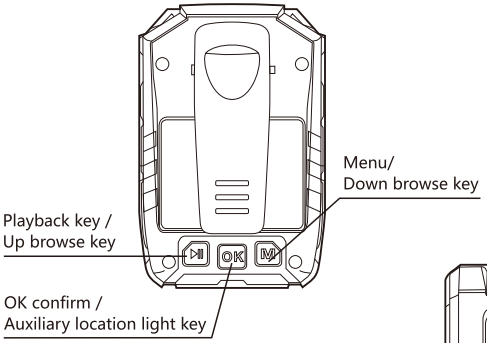
Short press to playback the last photo, video or audio files.

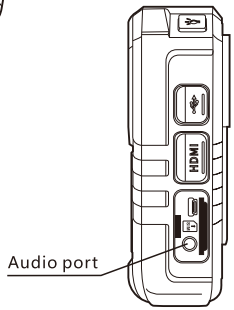
Short press M to set the function and parameter.

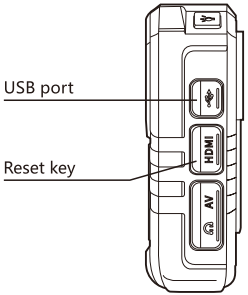
Press to return the last screen when in menu or playback mode.

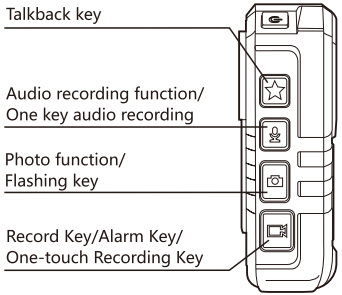
## Appearance And Key Description



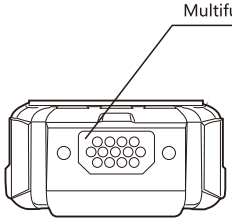


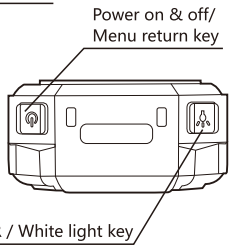



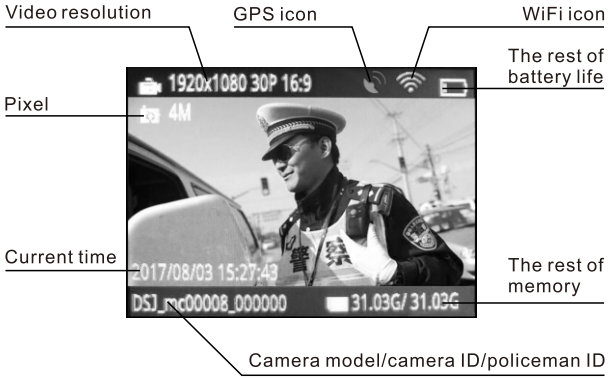






## Display Screen Description



# Basic Operation Description

- **Boot up The Camera**

  Press for 2 seconds, the camera will vibrate and beep on with green LED, and enter to standby mode with screen lighted up.

- **Audio Recording**

  Short press , the camera will start recording audio with vibration and flashing yellow LED light. Press again to end recording, and the audio will be saved automatically with vibration and yellow LED light off.

- **One Key Audio Recording**

  Long press for 3 seconds to start audio recording when the camera is off.

- **Combination Function of Photo Taking**

  Short press key to take photo when the camera is in standby mode.
  Long press key for 3 seconds to turn on LED flash light, and the light will flash under a specific frequency. Long press it again to turn it off.

- **Video Recording**

  When the camera is in standby mode, short press , the camera will vibrate with voice Guide Law-enforcement, video recording start , then a small red video light flash on the left top of the screen, which indicates the video is recording. Press again, the camera will vibrate and end recording, the red video light off, and the video will be saved automatically. ( Note: this function is closed in default )



- **One Key Video Recording**

  Long press for 3 sconds to start video recording when the camera is off.

- **Laser Pointer**

  Long press OK for 3 seconds to turn on laser point light. Long press it again to turn it off.

- **Snapshot Under Video Recording**

  Short press key to take a photo in video recording mode.

- **Switch Between IR and LED White Light**

  Short press to turn on IR red light when at night or dark environment. Press it again to shut down in video recording or standby mode. Long press to turn on LED white light. Long press again to turn it off.

- **Ok Confirm**

  Short press OK to get into video, photo, audio folder and select a file to play. Long press OK for 4 seconds to open laser point light, do it again to turn off.

- **Fast Forward and Fast Reverse**

  Short press or M to fast forward or fast reverse at 2X, 4X, 8x, 16X, 32X ,64X under playback mode.

- **Menu Selection**

  Short press M to set the function and parameter as below in standby mode.

| Setting | Description | Options |
|---|---|---|
| Video Resolution | The image resolution for video | 2560×1440 30P, 2304×1296 30P, 1920×1080 30P, 1280×720 30P, 848×480 30P |
| Photo Resolution | The image resolution for photos | 40M, 36M, 21M, 16M, 14M, 8M, 4M, |
| Quality | The quality of the image for video and photo files. | High, Medium, Low |
| Video Encode Fomat | Higher encoding format save more memory space. | H.264, H.265 |
| Pre-record | When on, any video you record will include some of the time that elapsed before you press the Record button (stored in the camera buffer); When off, any video you record will include only video and audio from the point after you press the Record button. | Off, On |
| Delay Record | The amount of the time the camera waits to stop recording video after you press the Record button. | Off, 30 sec, 1 minute, 1 minutes, 10 minutes, 30 minutes |
| Loop Recording | When on, camera will overwrite the oldest video file with the most current video file once its memory is full. | Off, On |
| Burst Shot | The number of images captured when you take a photo. | Off, 2, 3, 5, 10, 15, 20 |



| | | |
|---|---|---|
| Live Streaming | Image resolution for live stremaing | HD 30P, HD 15P, WGA 30P, WVGA 15P, VGA 30P, VGA 15P |
| GPS | When GPS is on, position of video will be recorded and can be reviewed by GPS player. (GPS satellite signal only works in outside) | Off, On |
| Time Zone | Adopt local time in real time zone | -12 to +12 |
| LED Light | When on, indicator LED will tell the status of the camera; When off, camera is entering covert mode | On ,Off |
| Language | The language of the text in camera interface | English, Русский, Jezyk Polski, Español, Français, Jazyk:etina, українська |
| Infrared LED | 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 |
| Recording Warning | When on, you will hear a voice confirmation when you start recording. When off, voice confirmation is disabled. | Off, On |
| Police Warning | When on, the camera will announces the police ID when start recording. | Off, On |

| | | |
|---|---|---|
| Key Beep | When on, camera will play a tone each time you press a button. When off, tone is disabled | On ,Off |
| Video Split Time | While recording video, the camera will automatically split its recording into files of this length. | 5 min, 10 min, 15 min, 30 min |
| Screen Saver | The amount of the time the camera can be idle before deactivating the display to conserve power. | Off, 15 sec, 1 min, 3 min, 5 min |
| Volume | 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 |
| Mute Audio | When it is OFF, the camera will record normal video with audio.<br>When it is ON, the camera will record video without audio. | On, Off |
| Record on Power | Recording immediately when the camera is powered on | On, Off |
| ID setting | User can set Device SN and Person SN | Alphanumeric characters |
| Time Setup | Adjust time to real location | yyyy/mm/dd __:__ |
| Default setting | Use this to return camera to its original settings. This does not erase the memory. | O (Yes), X (No) |
| Version Information | The hardware and firmware version of this device | Information |



# Indicator Light

- **Standby Indicator Light (GREEN)**

  The light turns to green when the camera is powered on.

- **Charge Indicator Light (RED)**

  The light turns red during charging, and turns green when it is full.

- **Video Recording Indicator Light (RED)**

  The light turns red and flashing under video recording.

- **Audio Indicator Light (YELLOW)**

  The light turns yellow and flashing under audio recording.

- **Key Function Description**

  Reset Key HDMI

  Reset it when the camera is running wrong or hangup.

- **Play Key/Page Up Key**

  Short press this key to enter the playback interface.

  When review files, press this key to page up.

- **Combination Key /Laser Pointer Key** OK

  Press this key into video, photo, audio file browse mode and confirm it.

  Long press OK to open Laser Point light for the best positioning, and do it again to turn it off.

- **Two Way Communication Key (Talkback Key)**

  In the status of live stream off, when camera is connected with walkie-talkie, long press this key can realize intercom function.

  In the status of live stream on, choose talkback by Device microphone & speaker in menu and long press this key to realize communication with surveillance center.

- **Audio Recording Key /One Key Audio Recording Key**

  Press this key to start audio recording, press it again to stop it.

  When the camera is under turn off status, 4 seconds long press this key to start audio recording, press it again to stop it.

- **Photograph Key /LED Flash Light Key**

  Short press this key to take photo.

  Long press to turn on LED flash light function.

  Press this key to snapshot when camera is recording.

- **Video Recording Key /One Key Video Recording Key**

  When the camera is in standby mode, short press this key to start recording, press it again to stop recording.

  When the camera is off, long press this key for 4 seconds to start recording directly.

  When camera is in live stream status, long press this key to alarm.

- **Menu Key** M

  Press this key into system setting interface.

  When review files, press this key to page down.



- **IR Night Vision Light Key /LED Illumination Light**

  Short press it to open no shadow IR night vision light and help to calibrate the video object. Short Press it again to turn it off.

  Long press this key for 4 seconds to open LED illumination function, Long press it again to turn it off.

- **USB Port**

  Using cable connect this port with computer to get the file and charge the camera.

- **AV IN Port** AV

  Connect to external camera. Picture and voice from external camera will shows on the screen.

- **Power ON & OFF/ Lock Screen Key**

  Long press this key to boot, long press it again to turn the camera off.

  Short press it to turn on the screen, short press it again to turn it off.

- **Abnormal Alarm**

  Two kinds of abnormal alarms:

  when the battery is weak, Battery life flashes on the screen , at the same time the camera body shake and alarm with alert when the battery is full, the screen will alert storage full, the camera body shake with Alert tone alarm.

- **Power Saving Mode**

  When no operation after 1 min, 3 min, 5 min (optional in menu), the LCD screen will close automatically to save power. Press any key to reopenthe LCD.

Short press key ⏻ at a time to turn off LCD, short press any key LCD will reopen, and camera return to normal.

- **Charging ( Li-ion Rechargeable Battery )**

Battery will be full after 4 hours charging under the camera is turned off(Using charger equipped). During the charging, indicator light will turn red, and turn green when it is full.

While using multifunctioal base charger, plug the camera into the base, and connect the power, the red power light on the charger turn on, and camera boot automatically.You need to turn the camera off manually, and red indicator light on the camera body will turn on, which will turn green when the battery is full.

- **Charging Ways**

✓ USB connect to computer

✓ Multifunctional base charging

✓ Charger connect to 220V power charging

- **Attention**

① The focuscan not be adjusted under resolution 2304*1296.

② Reopen IR night vision light to return color to normal when the screen has color aberration(like red).

③ Two ways of charging. Turning off charging, 1.2A charging electricity, 4 hours get to full. On boot charging, 500mA charging electricity.(this way can protect the circuit board and battery life) so fast charging can choose Turning off charging, slow charging can choose On boot charging.



④ After no use in long time, please charge it full at first before use it again. Please don’t open and repair the camera by unauthorized organization.

⑤ Please use a pin to press the reset key HDMI to reboot the camera, when running hang or abnormal.

⑥ Please get the camera bottom from water, to avoid short circuit during using.

# WiFi function and operation

- **WiFi Function**

1. Press the menu button M to select 4G off/WiFi on, afterwards choose the selection of “reboot”. After the reboot, please power on the camera again.

2. After powering on the camera, it needs 15 seconds to connecting with WiFi signal. When connecting WiFi successfully, there is WiFi icon in GREEN in the left side of the LCD.

- **Tips**

1. After format the camera, need to configure WiFi information again.

2. Inserting or pulling out SIM card is forbidden when camera is on.

3. If camera lose WiFi connection, it will shows white logo with red cross.

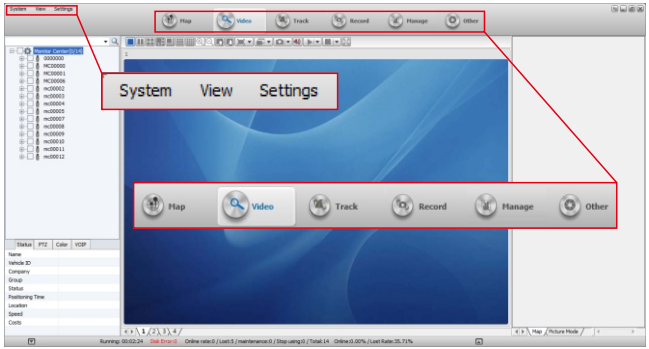
4. When camera is in real time live streaming, please take it away from the surveillance computer to avoid signal interference.

# CMSV6 Guidance

## Run CMSV6 to Start The Software, See Below

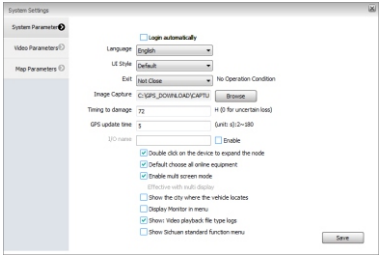
Please ask the sales about the Login ID and password for CMSV6.

## Main Interface is as Follows






## System Setting Menu



The users can do the setting according his/her permission.

(Tips: CMSV6 System and "System User Manual" can be downloaded from CD.)

# Camera Management System

- **Connect with camera**

  1. Install driver in computer. (If you install it before, no need to install again. If no, ask sales to offer driver and installing instruction)
  2. Turn off camera and connect it with computer by USB. (Don't enter password on camera)

- **Login the management system**

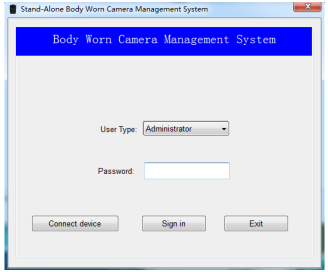
  There are two roles(Administrator and User) for your selection when login. User can read the camera information and calibrate time, to revise user password and enter to camera disk is also allowed.

## Connect with camera

1. Install driver in computer. (If you install it before, no need to install again. If no, ask sales to offer driver and installing instruction)
2. Turn off camera and connect it with computer by USB. (Don't enter password on camera)

## Login the management system

There are two roles(Administrator and User) for your selection when login. User can read the camera information and calibrate time, to revise user password and enter to camera disk is also allowed.
Administrator has the highest authority to manage the cameras.




Login steps: Enter password-connect device-login
Default password: 000000

## Settings

### Time setting

Click “calibration time”, camera time will be synced with computer.



## Parameter setting

Click “read”, you can check the camera's current resolution and the remaining battery capacity.

## ID setting

Click “read”, you can check the current camera ID, police ID, department, user name and department name, if need to revise those information, type them directly to the corresponding columns, then click “setting”.(Camera ID should be coincident with server setting, or it can't connect with server)

## Network setting

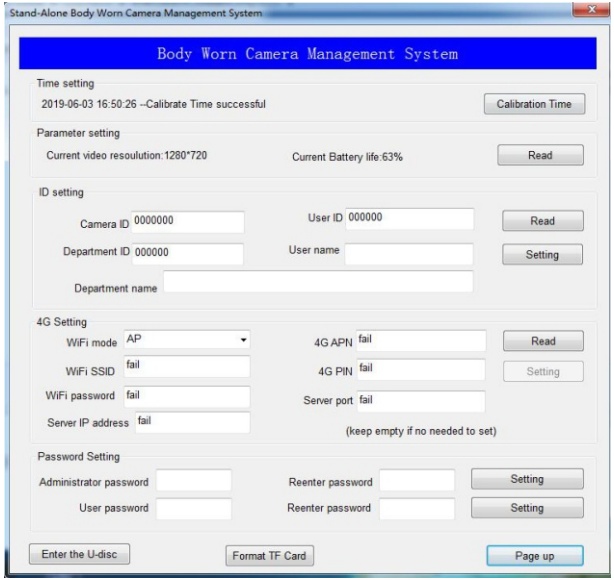
If user need to use WiFi STA mode, WiFi and server information should be configured first.

## Password Setting

User and administrator can revise camera password here, remember to click “setting” after revising. (In user mode, it can revise common user's login password only, but in administrator mode, it can revise the all passwords)

## Enter to U-disk mode

Click “enter to U-disk”, it will cut off the connection with management software and enter to U-disk, data's delete and transfer are allowed in this mode.




## Cloud monitoring & Talkback

1. It can realize monitoring the device and communicating with device user. (For more informations, please reference "CMSV6 System User Manual" 4.5.9 Voice Communication)

2. It also can realize cluster talkback function on CMSV6 System.



## Driver installation instruction

### 1.Unzip Files

Unzip the Windows.rar to release the Windows7&Above and WindowsXP files.

### 2.Windows

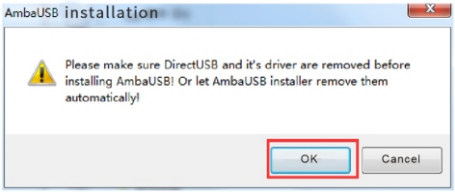
Open the Windows, you can see the Windows7&Above and WindowsXP files, the Windows7&Above file apply to the Windows7 &above systems installation, and WindowsXP files apply to the XP system installation. Please install the software according with your PC system.

### 3.Driver installation instruction

Installation instruction of 32bit Wind7 OS as below.

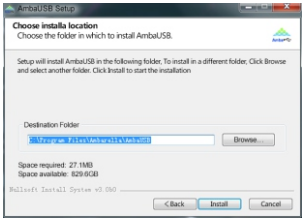
① Click it and enter, there are two files with win32b and win64 setups, please select the one according with your PC system.

②Click "AmbaUSB-win32-Qt5-Win7-3.4.8-Setup", it pop-up a "AmbaUSB installation" window, click confirm button.



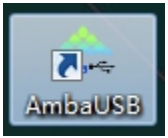
③ It pop-up a window as below figure after click the confirm button, and click “next step”

④ Choose the install path, click “install”.




⑤ After this installation, it pop-up “Device driver installation oriented”, click “next step”, the installation procedure will be shown like below…

⑥ After finish the driver installation, it show a icon in your PC desktop as below figure.




Notes: if the PC equips with fire wall, please choose “allow this operation” Or in the pop-up windows, click “always allow install this driver software” to finish the installation.

# User's Instructions

We provide 1 year' s warranty and RMA service. In order to protect user' s rights and avoid some unnecessary problems, please read details below :

1. Please send back warranty card with order number, model, and problem clearly together with returned products during RMA service.

2. Any man-made damage such as: water, moisture, improper use or damage by no authorized organization as well as exceed 1 year warranty, only paid service is available and no guarantee to fix it up.

3. Serious man-made damage (such as water or fall down), a repair contract is necessary to sign up.

4. Non man-made damage and still within 1 year' s warranty, the camera can be changed, but not for the accessories.

5. As the product involves upgrading or improvement, the company reserves the right to change the specifications of the software and hardware described in this manual at any time without prior notice. The product specifications and information mentioned in this manual are for reference only, the actual delivered goods shall prevail.



# Warranty Card

User Info Day Month Year

| | | | |
|---|---|---|---|
| Company name | | Contact person | |
| Email& Tel | | Shipping address | |

WiFi Police Body Worn Camera Info.

| | | | |
|---|---|---|---|
| Model | | Product ID | |
| Problem description | | | |