

# PYLE®

PyleUSA.com

## COMPACT BODY CAMERA

### INSTRUCTION MANUAL



SECURITY

Model: PPBCM28

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## I. Product Instruction

### 1.1 Main camera measurements



## 1.2 Schematic diagram of the remote control (optional)



## 2. Key Remote Operation

### 1. Power On/Off button [①]:

*Long press to power on/shutdown.*

2. **Video** 【◆■】: Press to start/stop recording.

3. **Pictures** 【📷】: Press to take a picture.

4. **Audio** 【AUD】: Press to start recording.

### 5. OK/Go back Key 【OK】:

Press to confirm the selection or go back depending on context.

Press to enter the playback interface in standby mode.

6. **Menu** 【M】: Press to open or close the menu.

In recording mode, press 【M】 to lock the file. The Yellow ‘Locked Symbol’ will be displayed on the LCD screen. When the lock symbol disappears, the file is under a protective state.

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**7. Up / Left key 【▲】:** In the settings menu, it is used to move up or move left to select the items you want.

A. In the video and monitoring interface, press to turn on/off laser positioning lights; long press to turn on/off white light illumination.

B. When you are playing back video, press to decrease the volume, long press to rewind.

**8. Down / Right key 【▼】:** In the settings menu, it is used to move down or move right to select the item you want.

A. In the video and monitoring interface, long press to turn on/off the infrared light.

B. Video go back, press to increase the volume; long press to enter the fast forward function.

**Please note:**

Throughout this manual, the word "*press*" refers to a short press. A "*long press*" requires holding the button for 2 to 3 seconds.

## 3. Status LEDs

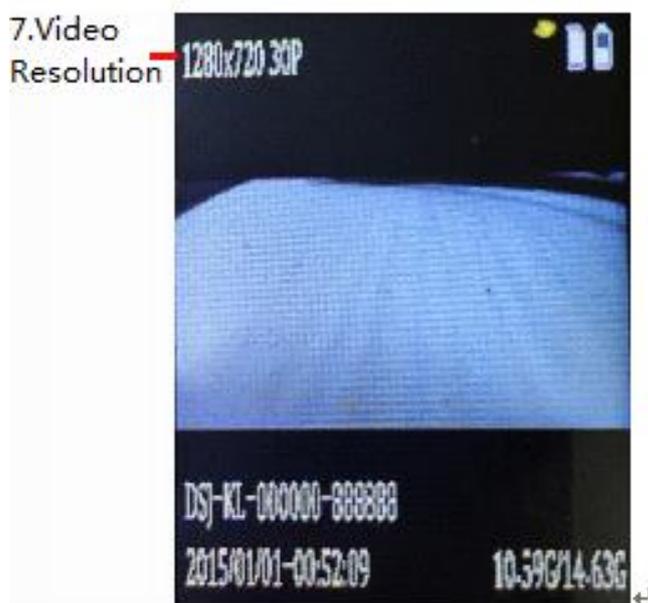
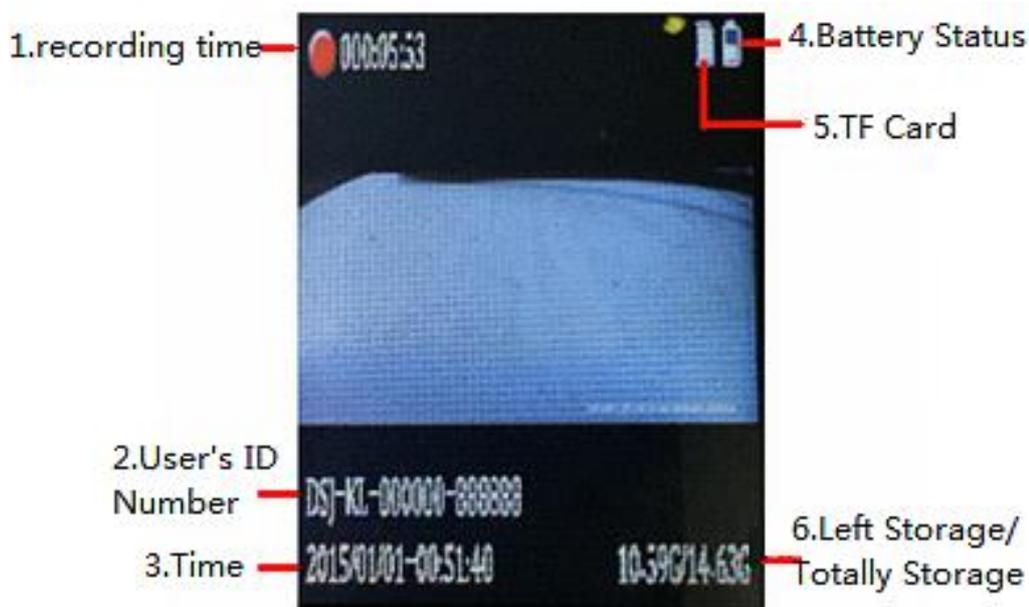
The following table show the camera's LED status in various states.

	LED 1	LED 2
Power ON	NO Light	Green Light
Recording	No Light	Red Light Flash
Sleeping	No Light	No Light
Charging (Power OFF)	White Light	No Light
Finished Charging	No Light	No Light
Take Pictures	No Light	Green Light flashes once
Audio	No Light	Yellow Light Flash

## IV. Basic operation

### 4.1 Switch/Power On

Press "switch" key [  ], after you see the LOGO displayed in the screen, then enter the normal mode. In any mode, press the "switch" button [  ] for 3 seconds after displaying LOGO screen to shut down.



The Normal Mode

### In the normal display screen:

- ① Recording time; (Red point is the under the normal recording status, blue point is under the pre-recorded on statues)
- ② Device ID and the ID number of police officers;
- ③ Display system date and time;
- ④ Battery level/Status;
- ⑤ Display memory card identification;
- ⑥ Display memory card's remaining capacity and total capacity.
- ⑦ Video resolution;

### 4.2 Screensavers /Standby

1. **Screensavers:** If there is no input, the screen enters screensaver mode after a minute. Screensaver delay time can be set from the menu.
2. **Standby:** In the boot state without any operation within 20 minutes, the unit enters standby mode (power saving mode), LCD off, press the "switch" key to activate. The unit's power consumption is zero when in standby mode.

### 4.3 Menu Settings

Press "Menu" key **【M】** , enter the "System Settings", shown below:



Menu Mode

- A, Menu mode includes three items: Video , Camera , and System Settings .

**4.3.1** Use "Move Up/Left" key [▲] or "Down/Left" key [▼] to select the setting for any of these items.

**4.3.2** Use "OK/Go Back" button **【OK】** to enter the items of the main item that you selected in last step, the selected item will turn blue; then short press "OK/Go Back" button **【OK】** to enter into the submenu.

**4.3.3** In the submenu, use the "Move Up/Left" key **【▲】** or "Down/Left" key **【▼】** to highlight the option, Press the "Confirm/Back" button **【OK】** to set options.

- B, Press "Menu" key **【M】** to return to the previous menu, until you exit the menu interface.

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<b>Video Options</b>		
<b>Items</b>	<b>Specification Selectable</b>	<b>Defaults</b>
Video Resolution	1920X1080 30P 16:9 1280X720 60P 16:9 1280X720 30P 16:9 848X480 30P 16:9	1280X720P 30 16:9
Image	HD/General/Normal	HD
Pre-recording	ON/OFF	OFF
Extension Recording/Delay- recording	OFF/5seconds/10seconds	OFF
<b>Camera Specifications</b>		
Image Resolution	4M (2688X1512 16:9) 6M (3200X1800 16:9) 9M (4000X2250 16:9) 13M (4800X2700 16:9) 18M (5600X3150 16:9)	4M(2688X151 2 16:9)
Image	HD/General/Normal	HD
Burst	OFF/5pcs/10pcs/20pcs	OFF
Exposure Compensation	-2.0 - +2.0EV	0.0EV
<b>System Setting Specifications</b>		
AV IN	ON/OFF	OFF
Default setting	Restore Default Settings	
LCD brightness	8 - 128	64
Automatic shutdown	OFF/1min/2mins/3mins/5mins	OFF
USB Mode	USB Setup Mode USB password mode	USB Setup Mode

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Automatic screen-off	Off / 30 seconds / 1 minute / 3 minutes	OFF
Volume	0 - 16	16
Segmented video	OFF/5mins/10mins/15mins/20mins/30mins	5mins
Key Tone	ON/OFF	OFF
Motion Detection	ON/OFF	OFF
File View mode	Picture Mode/File Mode	File Mode
Language	English/Chinese/ODM	Chinese
System Information	Device Basic Information	

**Please Note:** The date, time, and ID setting are three functions that are unique to the U disk version of the software. In the police version of the software, you need to connect the camera to a computer in order to set these three settings. Please refer to the CD for instructions.

### 4.4 Turn on/off the infrared night vision lights and install filters

A In the video and monitoring interface, long press to turn on/off infrared lights.

B Filter installation picture.

### 4.5 Take pictures

1. **Take pictures:** In the boot display state, press “Camera” key【】 to take a picture. The green indicator will flash once with a sound in normal camera mode. Each time the camera key is pressed, it will take a picture, and the pictures will be named with the current date and time, with the JPG suffix. To review the picture, please refer to “Review /Playback video” part.

### 4.6 Record Video/Snapshot

1. **Record Video:** In the normal mode, press “Video” key **【■◆】** to start video recording. While recording, the upper left corner of the display shows a red dot, indicator light turns red and flashes slowly, one press to start recording, press it again to stop recording, the video is named by recording date and time with MP4 as suffix stored in the memory card. To review video please refer to "Review/Playback Video" section.

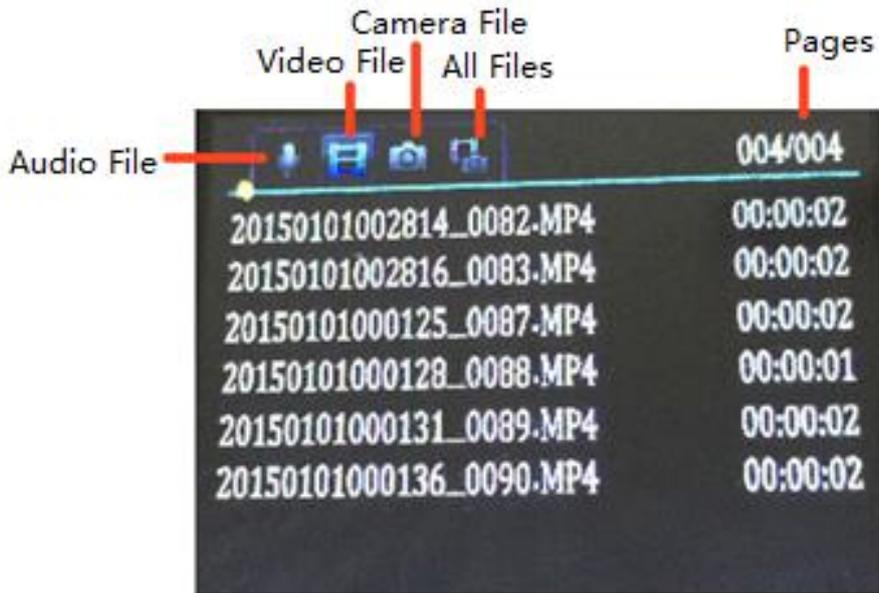
2. **Snapshot:** During recording, press the "camera" button **【📷】** once to capture a photo, continue recording after saving photos.

### 4.7 Record Audio

This device can record audio separately. In the boot display, press the "Audio" button, the middle of the display will show "Recording". Press again to stop recording. The recording will save as a file with the date and time in the name, and the WAV suffix at the end. This will also be stored in the memory card. To review the audio, please refer to “Review/Go Back video” part.

### 4.8 Review/Playback

In the normal mode, press “OK/Go Back” **【OK】** button to enter review/playback interface.



1. Press **【▲】** or **【▼】** key to select the file type (video / photo / audio / all) **Note:** The selected item turns blue.

2. Press "OK/Go Back" key **【OK】** again to Press the "OK/Playback" button to display all files (videos, photos, audio), press **【▲】** or **【▼】** to select the one you want to view or go back.

3. Press "OK/Go back" button **【OK】** again to play the selected file (video / photo / audio), during playback, press the "OK / go back" button **【OK】** to pause going back, press the button again continues to play. After finished playing, press the "OK/Go Back" button **【OK】** to repeat it.

4. During the above operation, press the "Menu" key **【M】** will pause playback, press **【M】** key again, it will return to the file list screen, press once to return to the previous menu, until you return to the monitoring display.

## 4.9 Deleted files and file protection mode

1. You CANNOT delete any audio and video files saved on the memory card of the device. Audio and video files can only be deleted when the device is connected to the computer via Login backstage management software to operate on operating reference CD "Software Instruction".

2. File protection mode refers to the change on file attributes, after

opening the file protection mode, the file attributes turns to "read only." When you delete the file, dialog box will pop up to remind the computer user if you want to keep the file.

### A. File protection mode:

In video mode, press the "Menu" key **【M】** to open the file protection mode, LCD screen upper appears yellow "Lock flag", the file is protected.

## 4.10 Restart

If due to improper operation or other reason causes crash or stop responding operation, user should restart the device. Because the device has no restart button, you will need to remove the battery to restart. All settings will be unchanged.

## 4.11 AV output

This device has AV output function, it can connect to a monitor with a dedicated AV cable from the USB port. The "TV Out" in the setup menu will be enabled. The device's display will be black when the display is on the TV.

## 4.12 Connect to computer

The software has two versions:

1. **U disk version software:** Connect to computer via the USB cable directly, no need to install any driver.
2. **Police version software:** Need to install the driver, please refer to the **Driver installation instruction and software instruction on the CD.**

## V. Clip and battery on/off





**Picture A**

1. Clip on/off: Refer to picture A, take off the clip by the arrow → direction put on the clip by opposite direction.





Picture B

2. Battery door on/off: Use the screwdriver to take off the 2 screws, then take away the battery door. The battery is as picture B shows.

## VI. Remote control

This machine has a remote version, capable of remotely taking pictures, video, audio and turning the device off.

### 6.1 Code match

After the device is turned on, press the "Video" and "Camera" button at the same time, then let go. The remote control light will blink, the main camera should automatically enter the code state, when the lights finish flashing, entering the code is complete. After completion of the code, you can use the remote control to record pictures, video, audio and shutdown the devices.



### 6.2 Remote operation instruction:

- ① 【】 Key: Camera key, press once to take a picture, press once in recording mode to snapshot.
- ② 【】 key: Video key, Short press to start or stop recording video.
- ③ 【】 key: Audio key, Short press to start or stop recording audio.
- ④ 【】 key: Long press for three seconds to shut down the device.

## 7. Storage card recording time (SD card)

### 1. Storage card recording time

TF capacity	1920X1080	1280X720	848X480
16G	About 220 minutes	About 350 minutes	About 550 minutes
32G	About 440 minutes	About 700 minutes	About 1100 minutes

## 8. Charging

Low Battery Indication: When the battery is too low, the battery icon at top right corner of the display will flash. A beep will also be issued every 5 seconds, and the device will automatically shut down after five minutes. After the emergence of low, please charge, so as not to affect your use.

### **There are three ways to charge the device:**

1. The product is equipped with an optional replaceable battery, remove the battery and charge with the factory equipped cradle and charging case.
2. Via the USB cable to connect the device to computer for charging. Charging status indicator and status icon will appear on the LCD.
3. Charge with the wall charger. The charging progress can be seen from in the icon and status indicator on the LCD

## 9. Accessories

1. SD card (32G) \*1pc
2. USB cable \*1pc
3. Battery \*1pc
4. 220V charger \*1pc
5. Manual \*1pc
6. Cradle \*1pc (*optional*)
7. Remote \*1pc (*optional*)
8. CD \*1pc (*optional*)

## 10. Specifications

Specifications	
<b>Video resolution</b>	Built-in camera video resolution 1920 * 1080;
<b>Display</b>	2 inch 16:9 TFT LCD 960*240
<b>Lens</b>	Wide angle 140 degree, aperture = 2.4
<b>Focus range</b>	0.3~∞
<b>CMOS</b>	1/3" Color CMOS sensor
<b>Body size</b>	110mm x 60mm x 35mm ( <i>length x width x height</i> )
<b>Photo</b>	JPG format, Max resolution: 18M
<b>Video</b>	H.264 format: 1920×1080@30fps; 1280×720@30fps; 1280×720@60fps; 848×480@60fps;

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<b>Video format</b>	MP4
<b>Wireless remote control</b>	A key operation, professional 2.4G wireless remote control
<b>Exposure mode</b>	Automatic
<b>Infrared night vision</b>	6 built-in high-powered infrared lights, support night video recording, able to detect faces within 15 meters.
<b>Audio</b>	Built-in microphone / speaker
<b>Mic Pickup</b>	48KHZ
<b>Storage</b>	<b>Internal Memory:</b> 32MB, Standard 32GB SD card ( <i>Support up to 64GB</i> )
<b>Filters</b>	Lens filters can be installed; suitable for daytime use.
<b>White balance</b>	Automatic
<b>USB port</b>	Mini USB port/USB 2.0
<b>Battery</b>	Removable high-capacity lithium battery, 3.7V 2100mAh, 2 pieces ( <i>one optional</i> )
<b>Operating Temperature / Humidity</b>	<b>-22°F to +130°F / &lt; 90%</b>
<b>Energy Consumption</b>	<b>Powered On:</b> ~430mA   <b>Video:</b> ~470mA <b>Screensaver:</b> ~230mA   <b>IR on:</b> ~540mA   <b>Standby:</b> ~0mA
<b>Waterproof Rating</b>	<b>IP68</b>
<b>Certification</b>	CE

## 11. Simple troubleshooting and handling

### Device cannot boot, or does not respond

1. Please connect the charger to equipment, charge for 2 hours, then check to see if the problem still persists.
2. Please check the charger and the connecting line isn't damaged.
3. Press the reset key to restore the device to factory settings, and then check to see if the problem still persists;
4. If this does not resolve the problem, please contact customer service staff

to return for factory repair.

 **Device isn't recognized in a computer; failure to enter upload mode**

Please contact customer service staff resolved.

 **Forgot Password**

Please contact customer service staff resolved.

 **Time cannot be synchronized**

Please use the single version software 《HD Police Camera V1.0》 to synchronize the time of the device, if it cannot change the time, please contact customer service staff remote networking solution.

 **Red equipment image**

The device uses relay control infrared filter lens. When it has been hit in the course of transportation or drops, this could lead to infrared filter lens becoming stuck. The magnetic force cannot be reset after the relay is energized. To attempt to fix this, please repeatedly press the infrared switch, recovery relay control infrared filter lens. If not, please shut down after inverting the device, to beat in a surface is relatively soft place (Arm of the chair, mouse pad etc.). Boot and check if everything is normal, if not, please contact customer service staff to return the factory repair.