Double High Definition Police DVR
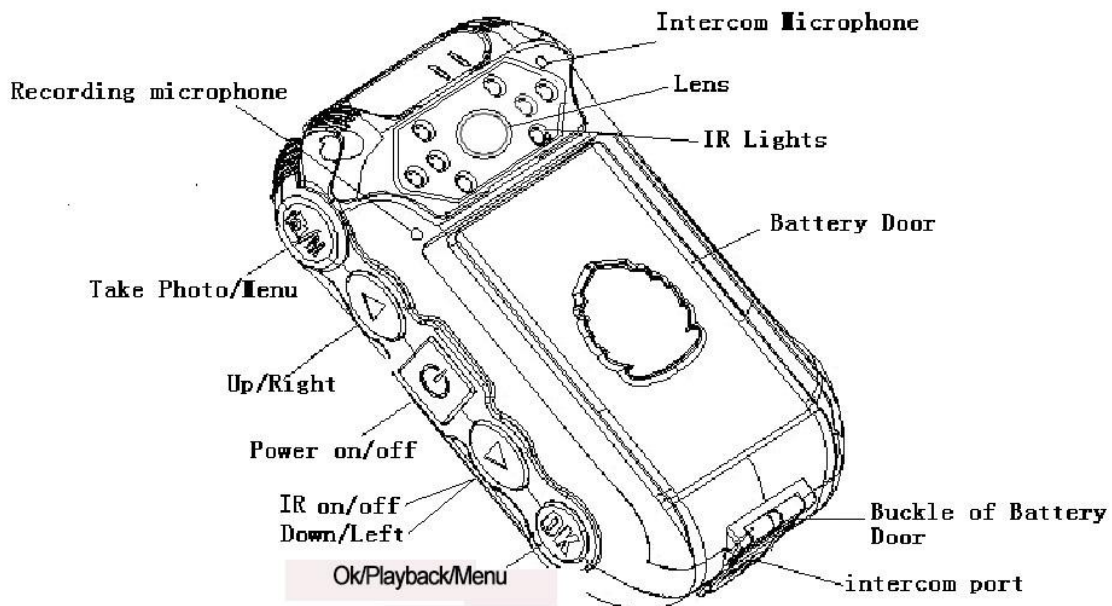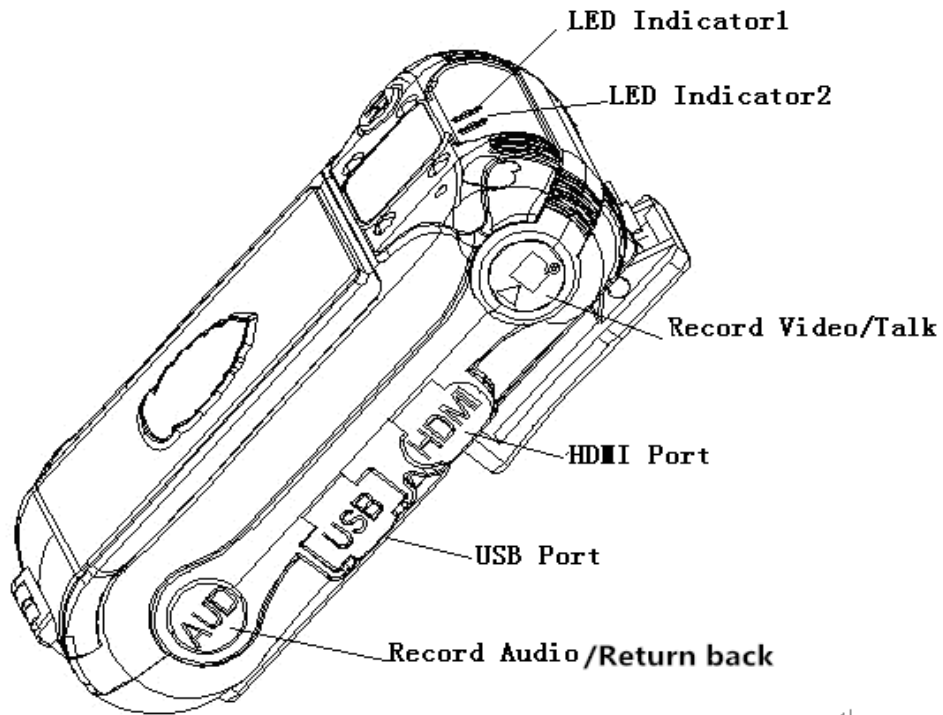
User Manual
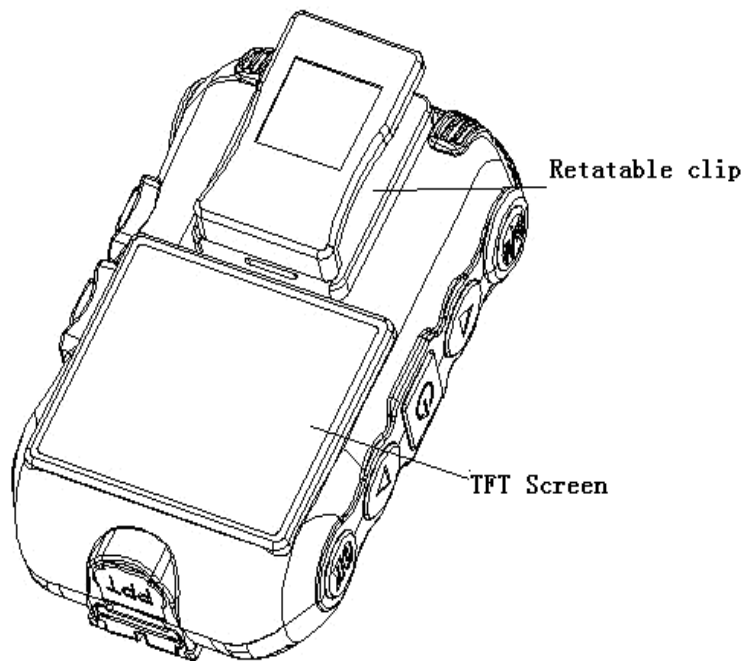
Before using the machine, please read the user manual carefully, and properly keep for future reference

1. Structure Diagram

1). Host Machine

LED Indicator1

LED Indicator2

Record Video/Talk

HDMI Port

USB Port

Record Audio/Return back

Intercom Microphone

Lens

IR Lights

Recording microphone

Battery Door

Take Photo/Menu

Up/Right

Power on/off

IR on/off
Down/Left

Buckle of Battery Door

intercom port

Ok/Playback/Menu

Retatable clip

TFT Screen

2). External Camera

IR Lights

Lens

Output Cable

Rotatable clip
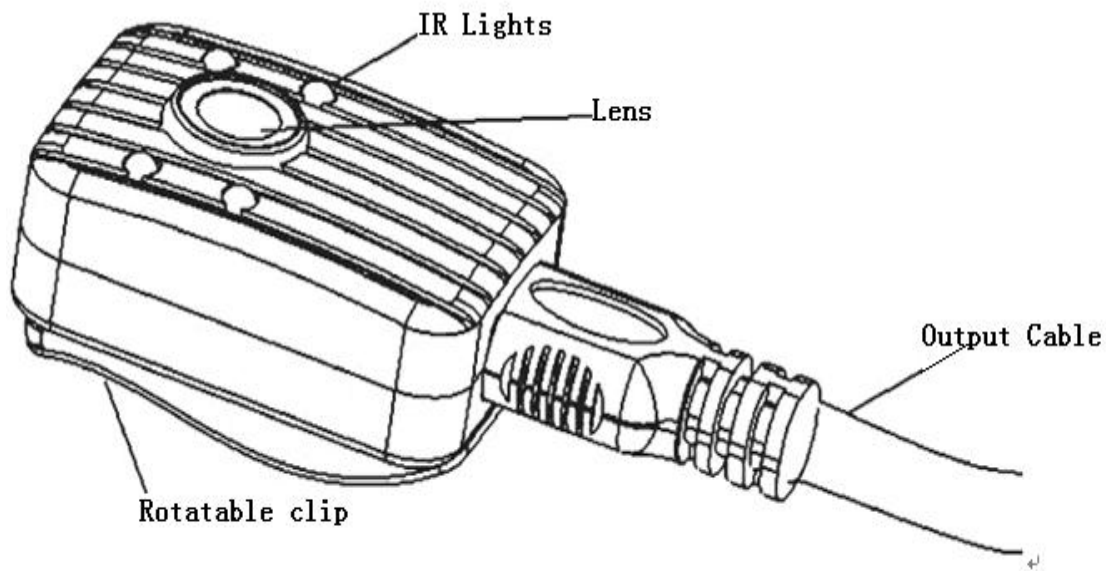
2. The operation of the button

1). Power on/off(　　)： long press to turn on/off the machine.

2). Record video/Talk(　　　):short press to start video recording, press again to stop recording, long press to intercom(need to match intercom cable,normal items don't with this function),when on menu or playback interface,press for turning left.

3). Take photo(　　)： short press to take photo; when on menu or playback interface,

press for turning right

4). Record audio/Return Back(AUD):short press to record audio; when on menu or playback interface,press to return back to previous interface.

5). OK/Play Back/Menu (OK):when choose menu or video, short press to confirm;on first interface short press to playback the video/audio. Long press (about 3 seconds) to enter menu interface

6). Up(△):move up to choose the item when setting the menu; press this button also can zoom in when taking photo or recording video on 1280 x720p(30FPS) .

7). Down(▽):move down to choose the item when setting the menu;press this button also can zoom out when taking photo or recording video on 1280 x720p(30FPS).

8). IR lights on/off(△):

1. Turn on/off the IR lights and switch the infrared filter when not connect the external camera.

2. Turn on/off the external camera IR lights when connect one.

3. Indicator lights

These are the state indicator lights of working or standby,and it will not repeat on the basic operation.

	State indicator lights1	State indicator lights 2
Turn on	green	Blue
Record video	red flash	Blue
sleep	Not light	Blue flash
charging	green	Pourpre
Charging full	green	Not light
intercom	red	Blue
Take photo	red flash once	Blue

Record audio	orange	Blue
Match code	green	blue flash

4.Parameter

Video input	Internal camera resolution 1920*1080;external IR camera 1920*1080
zoom	Auto digital zoom 4X
TFT screen	2.0inch 16:9 TFT LCD 960*240
lens	100 degree of the internal camera, degree of the external camera
sensor	1/3.2" Color CMOS sensor
Host machine size	100.1mm×63.3mm×29.9mm(L*w*H)
photo	JPG format; Max pixel:16 Mega pixel
video	H,264 Compression format 1920×1080/30fpts, 1280*960P/30fps 1280×720/(30fps/60fps) (optional in the host machine)
Video format	MP4
audio	Built-in microphone/speaker
storage	Internal memory:32M External memory:Max32GB TF card
shutter	Electronic shutter 1/2 – 1/2000s
IR CUT	Switchable Day and Night
White balance	Auto
USB port	USB 2.0
battery	High capacity li-rechargeable battery,3.7V 3600mAh
Humidity/temperature	<90%/-40℃～70℃
Lowest voltage	3.5v
Working current	About 270mA(when turn on),about 370mA(when recording),about 420mA(when turn on IR lights)
waterproof	IP67
impact resistance	meets IK8 or IK10 - Resistant to fall from a height of 2 meters

5. The installation of the clip and battery

Picture1   picture2

 1) **Of the clip**: as picture1,press the iron as the direction of   arrow1 has showed, and take out it as the direction of the arrow2; when install it just as the opposite direction of arrow2.

2) **Of the battery door**: as picture2,open the buckle of the battery door as the arrow1and then take out the battery door as the direction of arrow 2(obligue upward); as the oppsite direction to install it.

6. External camera

This machine has the external high definition camera,you can choose the different way to wear it to be more flexible and comfortable.

Use the external camera(suit for summer suit)   the host machine(winter suit)

The use of the external camera:

1).To inset the camera to the external camera port.

2).Switch the machine to the external camera work mode(the machine has the function to switch between internal and external camera automatically, display the external camera first).

3).In this mode,the "IR on/off" button can use to control the IR lights of the external camera.

7. Remote controller

The machine has the remote control version,can use to take photo and record video,make it more connivent.

The use of remote controller:

1). **Match code**: after getting power for 10s,press "△"for 3s, the indicator light2 appear blue flash,and it begin to match code, then press any button on the remote controller,after a sound of "click", finished it.

2). After matching the code,you can use the remote controller to take photo,record video and others.

3). The introduction of the remoter button:

1. 📷 :take photo button,a photo a button;in the video recording mode,if press this button can take a photo.

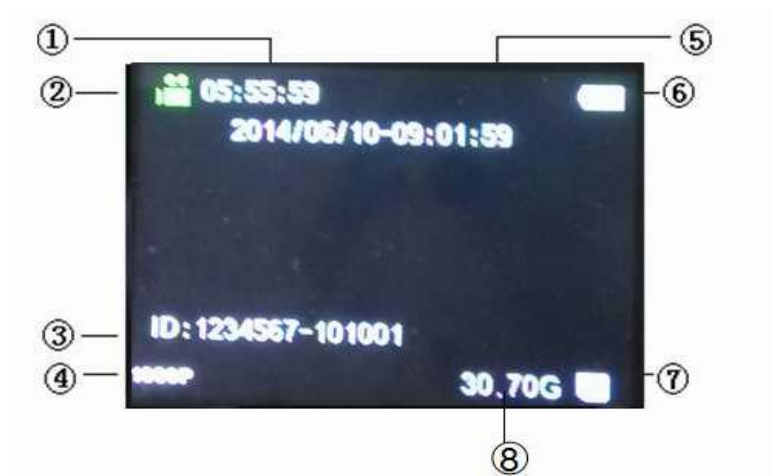2. ⌖:record video button,press it ,and begin to record video.

3. ▣: stop recording video

8. Basic operation

1).Turn on/off

Press【Power ON/OFF】button for 3 seconds ,after appearing the LOGO (police badge),the machine enter the normal display.

At any state, if press the 【Power ON/OFF】button for 3 seconds,after showing the "power off…" indicator, it turns off.

The normal display

Show on the normal display:

1 TF card video remaining time

2 Status flag

3 ID number of the device and police

4 Take photo and video resolution

5 System date and time

6 Battery power

7 SD card
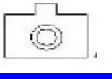
8 Capability left of the TF card

2) System setting

Press "Ok/M" for 3 seconds, enter the "Camcorder",as follows:

The button operation

Enter the "Camcorder", you can press the "Camcorder(left) " or "Camera(right) " button to select:Camcorder→ Camera→Setup these three modes,then you can set the camcorder,camera and the system parameters.

Under the appropriate setting modes,press "△" or "▽" to choose the projects to be set,then press the "OK/M" button.

Press "Camcorder" or "Camera" to choose for close or for open, then press "OK/M" button to set up the parameters

After finished these settings, press "AUD" to return to the normal display state.

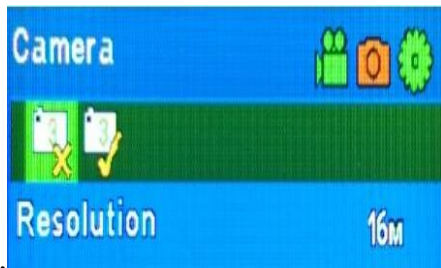**Camcorder setting**

The Camcorder setting as below:

Resolution: 1080P/30fps,960P/30fps, 720P/60fps,720p/30fps is optional   (Default

1080P)

Birtate:for 1080P 12M or 16M(Default 12M),720P 8M or 4M(Default 8M)

&re-record and delay record: According to resolution the time will be different: for

1080P and 960P is 5S, for 720/60 and 720/30 is 10s

Camera setting

1.

2.

The Camera setting as below:

It can choose single shoot and three continuous shoot(Default Single shoot).

Image pixel: 3M, 12M, 16M(Default 16M)

Parameter setting

1.

2.

3.

2. 4.

5.

Beep can be On or Off(Default On).

Automatic standby can be set to Off, 2 minutes, 5 minutes or 10 minutes(Default

Off).

TV output selectable NTSC or PAL two formats (Default NTSC).

Display Language Selectable Simplified Chinese,English or Russian (Default is Simplified Chinese).

Decryption(the operation as follow)

(input default password "123456" in order as follow:

press Key(OK---up/down△ or▽---OK---video 6times), and finally press key "video" to move the cursor at the button " ", Then press "OK" get the interface below,it is OK for connection

3) Standby

If no operation for the machine and you set the Auto standby for 2/5/10min, it turn to standby status when up to time, and the LED indicator1 light will be sparkling, and the LED indicator2 light be off. You can press any button to active it.

4) IR lights and filter switcher's turn on/off

IR lights is open by manual when it is at the boot interface.When the IR turn off, The screen of daytime mode is colorful, When the IR turn on, the night mode is black and white.

5) Take photo

Under the normal display mode, press the "camera" button to take photo as above.

Left corner display resolution and the right corner display remaining

photos number of the SD card.

When taking photos it will appear a frame at the middle of the screen. One "KA"

sound means one photo. The picture is named by the date/ time, JPG format. All photos

will be stored in the TF card. To see the photo please short press

"OK/playback" button

6) Record video/Snapshot

Record video: press "record video" button well.One red dot means recording.

Press the button again it stops recording. The file is named by date/time, mp4

format, and stored in memory card. If don't stop pressing the "record video" ,it

will keep recording and save a file 10 minutes as per unit.

Snapshot: during the video recording, press "take photo" to capture a photo. It

will continue to record video during snapshot.

7) Zoom

The machine has the zoom function during the 720p/30fps recording ,press

" △ " or " ▽ " ,the picture will be zoom in or zoom out.
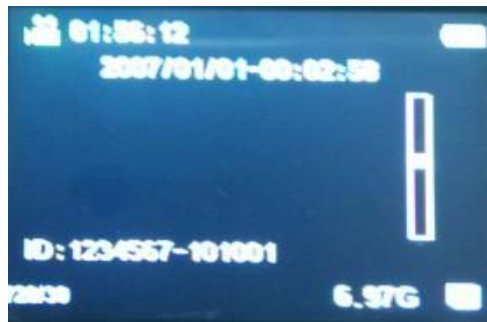
8) Record audio

Power on, press "Audio" button to record. Press it again to stop. It saves as

WAV format and names by date/time in memory card.

9) Playback the video/audio/photo

Under the normal display state, short press "OK/M" to enter the playback

menu.

Press (video) or (photo) to choose needed item(video/photo/audio).

Press "OK/M" again to show all files, then press △ or ▽ to choose the file to playback .

Press "OK/M" once again to play the file selected.

Press the "AUD" button back to the previous level, until appear the normal display.

10) Delete the files

It can not delate any files that were stored in the memory card on the machine by user directly. They can only be delated after connected to the computer, and use the management software(This can be refer to attached Operation CD).
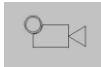
11) Time and date

After connecting to a computer and then set the time and date via the background management software(This can be refer to attached Operation CD).

12) ID of the device and policeman

After connecting to a computer and then set the ID of the device and policeman via the background management software(This can be refer to attached Operation CD).

13) Intercom

By using the special cable to connect the DVR and intercom.

Long Press "Video/intercom" to start to talk, and release it to stop.The intercom files will not stored in the memory card.
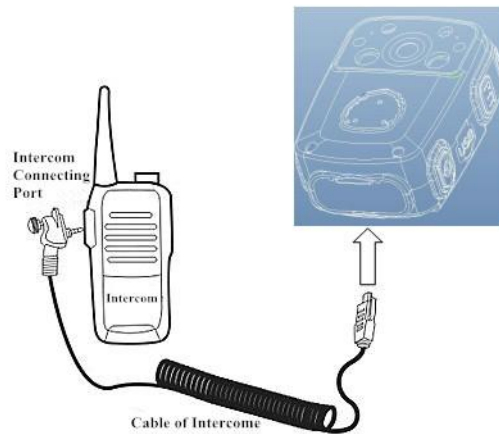
The Intercom and the DVR connection diagram

14) Reset

The machine dosen't have the reset button,once the machine crashes or has other abnormal situations,you can open the battery door and take out the battery,then reset it again

15). AV output/ intercom voice real-time transmission

1. AV output

The machine has the AV output function,by using the special AV output cable to connect the intercom port to the display,when click playback,the video can play on the screen,and the machine is black screen in this situation.

2. Intercom voice real-time transmission

in the AV output mode, the machine can achieve real-time intercom,and the sound of the playback is replaced by the intercom sound.

9.Charging the machine

When battery is low，the signal in the top right corner shows Lightning Symbol. And "low power......" appear on the screen and the buzzer has the "tick..tick…" sound. After 5minutes later it will be auto power off. Please

charge it as soon as possible to keep from influencing the normal work.

Two ways to charge the machine:

Connect the machine to the computer via USB cable;

Charger the machine by power adapter directly.

When charging the red indicator light flashes(The color is purple when the machine turns on).

10. Accessories

 1). External IR HD camera*1(optional)
 2).TF card*1(optional)
 3).Battery charging box*1(optional)
 4). 220V charger*1
 5).Standby battery(3600MAH)*1(optional)
 6).Leather sheath*1(optional)
 7).USB*1
 8).CD*
 9).User's manual*1

11. Attentions

1). Please do not use the machine in the vicinity of the strong magnetic field , it may cause image interference or product failure.

2). Do not receive the direct sun for a long time,it may destroy the machine

3). Do not knock or crash the machine,in case of the product damage

or the data loss.

4). To avoid the stored data loss,please copy it to the computer after using the machine.

5). Please keep the lens clean ,so as not to affect the effection of the photo or recording.