GUARDIAN

BODY CAMERAS

Guardian II User Manual

User Manual
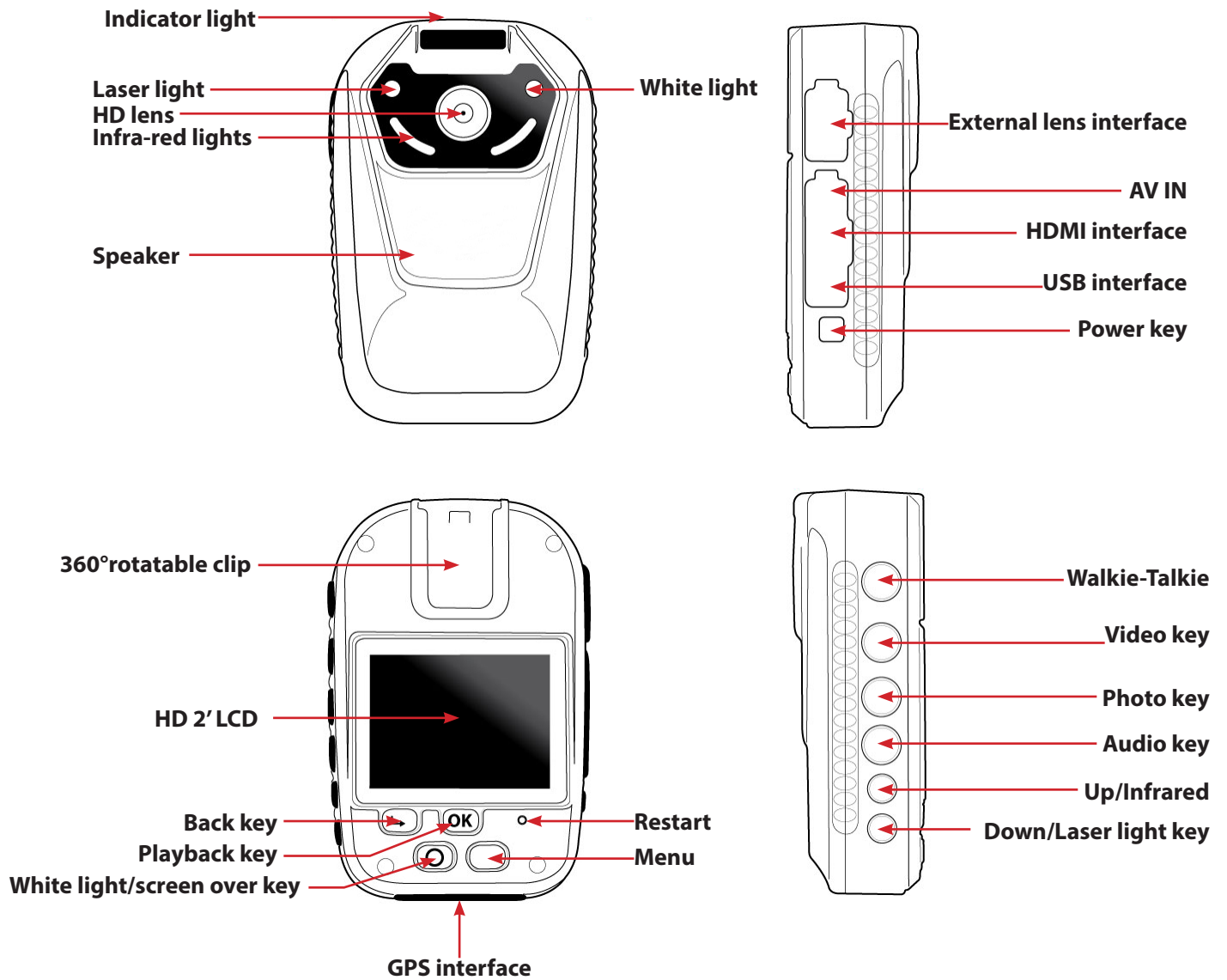
Content

Device operation

I Overview

1. Structure

Indicator light

Laser light
HD lens
Infra-red lights

White light

External lens interface

Speaker

AV IN

HDMI interface

USB interface

Power key

360°rotatable clip

Walkie-Talkie

Video key

Photo key

HD 2' LCD

Audio key

Up/Infrared

Back key
Playback key
White light/screen over key

Restart

Menu

Down/Laser light key

GPS interface

2. LCD Display

①Record time remaining on the memory card.

②Body camera mode indicator: While in video preview mode - film icon; in video recording mode - red dot; in photo preview - camera icon.

③The ID number of the body camera.

　　Note: This can be configured as the unique ID for each officer or user.

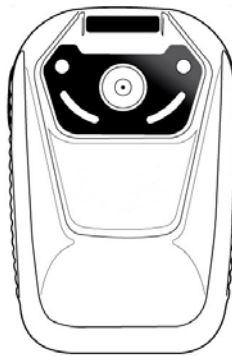④Displays the memory card identification.

⑤Battery level icon.

⑥Displays the system date and time.

⑦Displays the remaining storage of the memory card.

3. Charging

Low battery indication: when the battery voltage is low, the battery icon in the top right corner of the LCD will turn red and flash. A warning tone will be heard from the body camera, and the device will automatically shut down in five minutes. There are two kinds of charging methods:

①Connecting the device with a computer through the USB port. The state of charge can be reflected by the icon on the LCD (charging while it is power on) or by the LED (charging while it is power off). Red light indicator is on while charging. Red light indicator will turn off when fully charged.

②Connecting the device to the charge station matched when it is produced through the USB port. The state of charge can be reflected by the icon on the LCD (charging while it is power on) or by the LED (charging while it is power off). Red light indicator is on while charging. Red light indicator will turn off when fully charged.

II Basic operation

1. Turn on

In shutdown state, short press the power key to power on. LED will display in red and the preview screen will appear. If there is no operation in three minutes, the device enters the self-protection/power save mode automatically.

2. Turn off

In boot state, long press power key for two seconds to power off, the LCD shuts down, all light indicators will power off.

3. Standby

In boot state, if there is no operation in three minutes, the device will enter self-protection mode/power save mode automatically. The LCD shuts down automatically, the LED light indicator turns red. Press the screen key to light the screen or turn off the LCD screen.

4. System settings

Press the "Menu" key to enter "System Setting" option, the LCD will display as following:

SYSTEM
1920 X1080 16:9
2014-12-18
11:30
SPLIT SMIN
3.0m(2048 X 1536 4:3)
PHOTO NUMBER 1

Note: Press the "OK" key to enter each menu setting, which will enable the "Up/Down" keys. Press the "OK" key again to confirm your changes.
① Resolution
② Date/Time
③ Video Segmentation
④ Photo Resolution
⑤ ID
⑥ Prerecord
⑦ Delay record

5. Video recording

5.1 Video recording

In the preview scene, press the "Video" key to start recording. In recording mode, the top left corner will display a red dot. LED light indicator will light up in red and begin to flash slowly. Press the "Video" key again to stop recording. LED light indicator will return to green. The video files are saved automatically to the memory card. The screen will return to the preview scene of video automatically. The name of the video is consist of the date and time with a "MP4" as suffix saved in memory card. Refer to the "Play back" section to review the recorded video. If the recordings are extensive, the device will divide the recordings automatically, 5/ 10/15/30 minutes as a cycle.

5.2 Snapshot

While shooting video, press "Photo" key .This will take photos and save automatically to memory. The device will return to video scene mode after a snapshot is taken. Snapshots will not interrupt video recording.

6. Taking pictures

While in the preview scene mode, press "Photo" key .

A sound will be heard when a photo is taken. Pressing the "Photo" key again once will take another photo. The name of the photos consists of the date and time with a "JPG" as suffix saved in memory. Refer to the "Play back" section to check the photo.

7. Separate sound recording

In preview scene mode, press "Audio" to start separate sound recording. The screen will display "recording" in the middle as a notification. The LED light indicator will be yellow. Press "Audio" again to stop separate sound recording. The LED light indicator will turn back to green, the audio file is stored into memory, while the screen will return back to preview scene mode.

8. Infra-Red mode

The infrared night vision light is off by default when turning on the device. The video is displayed and recorded in color while recording during the day. When using the body camera and recording at night, hold the "Up" key and release it to turn the Infra-Red switch to the ON position. You can toggle the IR ON/OFF, by holding the"Up" key and release it after 2-3 secs. Photo resistor light sensors will automatically power ON or OFF the IR when needed.

9. File deletion and file protection mode

①Any audio and video files saved on the memory card cannot be deleted without connecting the device to the docking station. You should log into the management software to delete the files.
②FFile protection mode - protects files from any tampering attempts, file attributes are set to"read only."
A. There are two ways to set file protection mode (depending if the device is locked by system administrators).
①While the device is in video/audio mode, press "BACK" key to enter/exit "SOS" mode, a yellow lock icon will show up or disappear on the right of the device.
②In playback preview scene, choose videos or pictures which you want to protect, press "MENU" key to enter/exit "SOS" mode, the files get/lose protection.

## 10.	Playback Video/camera/audio

With the power on, the preview screen, short press "playback" key to enter the playback menu.
① In this display, press the "Up" or the "Down" key to select the desired option (Video/Photo/Audio)(Highlight the selected item with green frame).
② Press "OK" key once to display all files (Video / Photo/Audio). Under display press "up" or the "down" key to select the required query or playback files (Highlight the selected item with green frame).
③ Press "OK" key once to display all files (Video / Photo/Audio). During play, press "OK" key once to stop playing, and then press the key again to continue playing. Play after pressing "OK" key repeat.
④ In the above process, short press "BACK" key to return a stage, until the normal display.

## 11.	Restart

A forced restart of the device can be made by using a pen of sharp pinned object. Just hold the restart button with this tool. This will reboot the entire device, while all previous settings are unchanged.

## 12.	Indicator instruction

①With the power on, the preview screen LED is red.
②With the power on, the video mode LED is red, blinking slowly.
③With the power on, the audio mode is yellow, blinking slowly.
④In the data connection state, LED indicator is blue.
⑤In state of charge, the LED indicator is blue, after charging the LED indicator light goes out.
⑥With the power on, each pressing of "Photo" key can take one photo, LED indicator flashes red.

## 13.	Laser light and white light operation

With the device power on, press "Down/Laser light" button to turn on/off the laser light, the device will transmitter a red laser beam which can locate shooting direction.
With the device power on, press "White light" button to turn on/off the white light, the device will transmitter white light which can provide light in the dark.

## 14.	AV output/HDMI output

14.1 AV output

The device is equipped with AV output function, a dedicated AV output cable connector can connect the monitor to the TV, audio and video will play audio and video playback when access / playback video on the display when, in this play mode the device's display is blank state.

14.2 HDMI output

The device is equipped with HDMI output function, a dedicated HDMI output cable connector can connect the monitor to the TV, audio and video will play audio and video playback when access / playback video on the display when, in this play mode the device's display is blank state.

15. Connected to computer

The software is divided into the following two versions:
①(For Unlocked device) Install the U disk version software equipment: Connect the device to the computer with the USB cable, do not have to install any drivers.
②(For locked device) Install the docking station software equipment: It needs to install the driver, and driver installation method and software refer to CD software instructions.

16. GPS Location Function (optional)

This device can locate via an optional GPS module. After you connect the device with GPS via the GPS antenna, it will generate GPS location files while shooting video. Using a dedicated player to play the file, you can preview the device location information and trajectory on the map. (For more information about the operation instruction, please refer to the CD.) User Instruction: Turn on the device after connecting it to GPS via GPS antenna, in the lower right corner of the screen shows a red radar symbol indicates a normal antenna connection. When you begin shooting video, the device automatically starts searching for location; radar symbol turns green and indicating a successful location.

Specification III

Resolution	2 MP (1920×1080)
Frame Rate	Up to 60 FPS
Display	2.0 inch 16:9 TFT LCD 960×240
Aspect Ratio	16:9 or 4:3
Lens angle	Built-in Len: 120 degree wide angle
Focus range	0.3~∞
Sensor	1/2" Color CMOS
Body Size	95mm×60mm×30mm (length × width × height)
Photo	JPG file format up to 16MP camera
Video Camera	Video Format: H.264 compressed format :1920×1080@30fps, 1440×1080@30fps, 1280×720@30fps, 848×480@60fps, 640×480@30fps
Video Format	MP4, MPEG-4, H.264
Recording Mode	Motion Detection, pre recording, record delay
Recording file size	5 min, 10 min, 15 min, 30 min.
Status Indicator	Vibration alert for record start/stop, visual and audible alert
Exposure Mode	Auto Exposure
Night Vision Mode	6 high powered built in Infrared LED's, Built in flashlight with night photography and Video mode, Built in laser light mode
IR Range	Identification of faces at 8 Meters (26ft)
Connections	Micro HDMI, USB 2.0, AV In, AV Out
Audio	Built-in microphone / speaker
Pickup	64KHZ
Memory	16GB (up to 32Gb)
Shutter / Shutter Speed	Electronic Shutter/1/2-1/2000s
Filter Switch	Switchable lens filter, suitable for both daytime and night use
White Balance	Automatic
USB Interface	Mini USB Interface/USB 2.0
Operating Temperature/Humidity	-30℃~65℃/<90%
Ingress Rating	IP65
Public Awareness	Yes
GPS	Location Tagging (Optional)
Power Input	5V DC 1 Amp USB charger
Battery Life	~12 Hours
Recharge Time	2.5 Hours
Assessories Included	USB Charger, Swivel pocket clip, low profile clip
Certification	CE
Warranty	2 Years

IV Accessories

GPC-PS-USB 100-240 VAC Charger/USB Cable
GPC-CL1 Low Profile Clip
GPC-CL2
CD /Manual
GPS(optional)

V Troubleshooting and handling

Device cannot boot or is non-responsive

1. Connect the charger to the device.
2. Check the charger and the connection line.
3. Press the reset key to restart the device.
4. If none of the above resolve the issue, please contact Aventura Technical Support.

Device failed to connect to the docking station/computer or failure to enter upload mode.

Please contact Aventura Technical Support.

Forgot Password

Please contact Aventura Technical Support.

Time cannot be synchronized

If you have already tried to use the docking station software or the U disk mode application and none of these are able to sycnhronize the time, please contact Aventura Technical Support.

Red equipment image

The device uses relay control infrared filter lens. When it has been hit in the course of transportation or damaged while in use, the infrared filter lens can get stuck. The magnetic force cannot reset after the relay is energized. At this time, please repeatedly press the infrared switch. This will attempt to recover the relay controller for the infrared filter lens. If this does not resolve the issue, contact Aventura Technical Support.

Cannot connect to external camera

Please contact Aventura Technical Support.