

PATROLEYES

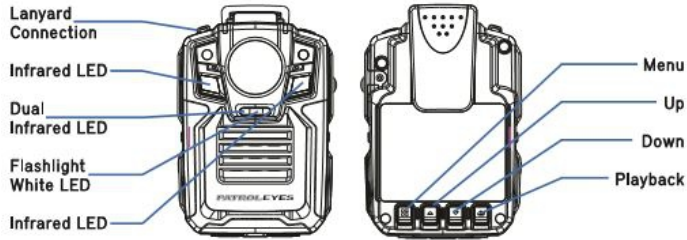
DV5-2



User Manual

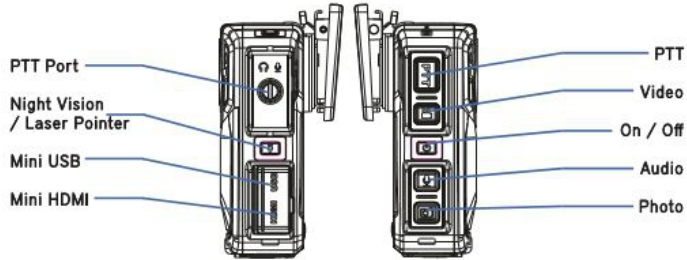
OPEN >>>>>

Camera:

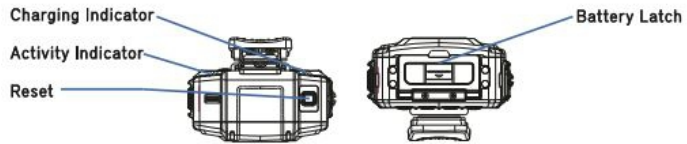


FRONT

BACK



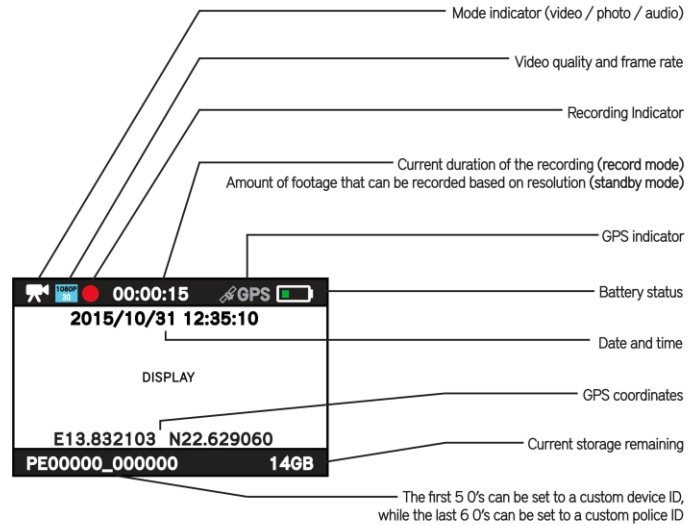
SIDE



TOP

BOTTOM

On-screen Display:



The DV5-2 body camera is an advanced recording system with many options and features available. Please review the manual to familiarize yourself with the functions of this camera.

Troubleshooting: If you are having problems with your camera, please first fully charge it and power it on, then press the reset button. Pressing the reset button will force the camera to shut off. Press the power button to turn the device back on and your device should now be working properly.

Note: Resetting the device will not delete any files.

Before Use

- Fully charge the camera using the included USB cable and charging dock for 3-4 hours. The charging indicator will turn red when charging. When the device is fully charged, the red light will turn off.
- To open the battery latch please press firmly on either side of the latch and use a fingernail to slide the center piece on the latch up into the locked position or down to the open position
- Confirm that the date and time on your device are correct and enter your device ID and badge ID through the camera management software

Note: The LCD screen protectors will help prevent scratches and do not interfere with the night vision capability. Keep the camera lens clean and free of debris with a soft cloth.

Wearing your Body Camera Properly:

On your chest (uniform):

- Attach the camera clip to the front of your uniform.
- Rotate the camera clip 45° and clip to the top of your uniform.

On your shoulder:

- Using the optional epaulette mount, clip the camera to the bracket on the mount and attach the mount to your uniform.

On your waist:

- Clip the camera to your belt. To aim the camera's lens higher, simply wedge or shim a small piece of foam or other material between the camera clip and LCD and as close to the base of the clip's attachment as possible.

Getting Started

Basic Operation:

- 1) Press and hold the Power button (*located in the middle of the right side of the camera*) for about 2 seconds. You will hear a chime and the camera will vibrate. A green indicator light on top of the camera will turn on and remain green while it is powered on. The camera and LCD monitor will turn on and enter into standby mode. The video preview will be displayed on the LCD.
- 2) The video preview mode displays recording time, battery indicator, device ID, storage capacity, and camera view.
- 3) Press and hold the Power button for about 2 seconds and camera will turn off. You will hear a sound and the camera will vibrate before it powers off. The green indicator light will also turn off.

Transfer & manage files on your computer:

(compatible with Windows XP, Vista, 7, 8 & 10, and Apple)

- 1) Connect the camera to your computer via the USB cable.
- 2) Open the related Removable Disk drive (*usually D: or E: drive*) in "My Computer".
- 3) Double click to view the folder contents then click on each file to view, transfer, or delete the media files.

Video Recording:

- a. To record a video, press the Record button (*located on the right side of the device with a recorder symbol*). The unit will give two short vibrations and the recording symbol on the LCD display will turn on as a solid red circle. The red indicator light will turn on, indicating the camera is now recording.
- b. Press the Record button again to stop recording. The unit will vibrate two times and the video camera recorder symbol will go away. The LED light will turn back to green and the video will be saved.
- c. When recording during the night or in a dark environment, press and hold the Night Vision button (*located on the middle of the left side of the device*). The infrared (IR) LED lights will turn on and the device will enter night mode. Video recorded in this mode will be in black and white.

One Touch Recording:

When the unit is powered off, press and hold the record button for 3 seconds. The device will turn on and automatically start video recording.

External Camera Recording:

To record through an external camera, turn the device off, open the PTT door, and attach the external camera with the cord facing upwards. Place the external camera screw into the adapter hole on the camera and twist until tight. Turn the device on and it will now record through the external camera.

Photograph Feature:

- a. To take photos, press the Camera button (*located under the Audio button on the right of the device*). The camera will take photos similar to a digital camera. When a photo is taken, the LED light will flash red to indicate the photo has been saved.
- b. To take photos while video recording, press the Camera button and the camera will capture a photo of the picture recorded at that time without interrupting the video recording.
- c. To take photos at night or in the dark, press the Night Vision button to go into night mode and turn on the IR LED lights. Photos taken in night mode will be in black and white.

Flashlight LED Lights:

Press and hold the photo button for 4 seconds to turn on white flashlight LED lights. The lights will provide minor illumination to improve image quality when necessary. Press and hold the photo button again to turn the flashlight LED lights off.

Audio Recording:

- a. To record audio only, press the Microphone button (*located below the Power button, with a microphone symbol on it*). The camera will vibrate once briefly and a recording timer will appear on the LCD screen display. The LED indicator will turn yellow and the camera will begin recording audio.
- b. To stop recording, press the Microphone button again. The camera will vibrate once briefly and return to the video preview. The audio recording will end and will be saved as an audio file, and the LED indicator will turn back to green.

Video/Photo/Audio Playback

Users are able to view previously recorded video files using the following process.



- a. Press the Playback button to go to the Playback Menu.
- b. Use the up arrow or the down arrow buttons to select the desired icon and then press the Confirm/Menu button to display all of the saved files of the selected type. This is the same for video, audio, and picture files.
- c. Select the video file to view by using the Up/Down buttons. After selecting the video file, press the Confirm/Menu button to see the recorded video in full screen.
- d. To return to the Playback Menu, press the Playback button.
- e. To return to the Video Preview screen display, continue to press the Playback button.

Setup - Resolution

To go to the **SET UP** interface, press the Confirm/Menu button (*located below the LCD monitor display*).

Resolution

- a. In the SET UP Menu, select “**Resolution**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30p
Video Quality	High
Photo Size	33M
Photo Quality	High
Burst Mode	Off

- b. There are seven options to select from:
 1. **2560x1080P at 30fps**
 2. **2304x1296P at 30fps**
 3. **1920x1080P at 30fps**
 4. **1280x720P at 60fps**
 5. **1280x720P at 30fps**
 6. **848x480P at 60fps**
 7. **848x480P at 30fps**
- c. Select the video resolution you prefer and press the Confirm/Menu button.
- d. Press the Playback button to return to the previous menu.

Setup - Video Quality

Video Quality

a. In the SET UP Menu, select “**Video Quality**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30p
Video Quality	High
Photo Size	33M
Photo Quality	High
Burst Mode	Off

b. There are three options to select from:

1. **High**
2. **Medium**
3. **Low**

c. Select the video quality you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Note: This refers to the video bitrate. The higher the setting, the better the video quality and the larger the video size. To achieve the most battery life, please set to low.

Setup - Photo Size

Photo Size

a. In the SET UP Menu, select “**Photo Size**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30p
Video Quality	High
Photo Size	33M
Photo Quality	High
Burst Mode	Off

b. There are six options to select from:

1. **3MP**
2. **5MP**
3. **8MP**
4. **12MP**
5. **16MP**
6. **33MP**

c. Select the photo resolution you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Setup - Photo Quality

Photo Quality

a. In the SET UP Menu, select “**Photo Quality**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30p
Video Quality	High
Photo Size	33M
Photo Quality	High
Burst Mode	Off

b. There are three options to select from:

- 1. High**
- 2. Medium**
- 3. Low**

c. Select the photo quality you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Setup - Photo Burst Mode

Photo Burst Mode

a. In the SET UP Menu, select “**Burst Mode**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30p
Video Quality	High
Photo Size	33M
Photo Quality	High
Burst Mode	Off

b. There are six options to select from:

- 1. Off:** only takes one photo each time.
- 2. 5 Pictures**
- 3. 10 Pictures**
- 4. 15 Pictures**
- 5. 20 Pictures**
- 6. 25 Pictures**

c. Select the Burst Mode you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Setup - LCD Brightness

LCD Brightness

a. In the SET UP Menu, select “**LCD Brightness**” and press the Confirm/Menu button.

Setup	
LCD Brightness	High
Volume	High
ID	PE00000_000000
Date & Time	2016/11/17 11:09
IR Sensitivity	Low

b. There are three options to select from:

1. **High**
2. **Medium**
3. **Low**

c. Select the Screen Brightness you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Setup - Volume

Volume

a. In the SET UP Menu, select “**Volume**” and press the Confirm/Menu button.

Setup	
LCD Brightness	High
Volume	High
ID	PE00000_000000
Date & Time	2016/11/17 11:09
IR Sensitivity	Low

b. There are four options to select from:

1. **High**
2. **Medium**
3. **Low**
4. **Sound off**

c. Select the Volume setting you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Note: the volume level changes the notification sound level, and will not affect video recording volume.

Setup - Device ID

Device ID

- a. In the SET UP Menu, select “ID” and press the Confirm/Menu button. The first digit will be highlighted.

Setup	
LCD Brightness	High
Volume	High
ID	PE00000_000000
Date & Time	2016/11/17 11:09
IR Sensitivity	Low

- b. Press Up/Down arrows to change to the desired number or letter, then press the Confirm/Menu button and the highlight will move to the next digit.
- c. Repeat step b. for the remaining digits, until the desired device ID is set.
- d. Press the Playback button to return to the previous menu.

Setup - Date & Time

Date & Time

- a. In the SET UP Menu, select “Date & Time” and press the Confirm/Menu button. The year will be highlighted.

Setup	
LCD Brightness	High
Volume	High
ID	PE00000_000000
Date & Time	2016/11/17 11:09
IR Sensitivity	Low

- b. Press the Up/Down arrows to scroll to the correct year. Once selected press the Confirm/Menu button to move to the month. Repeat for the month and day, and press the Confirm/Menu button to move to the time.
- c. Press the Up/Down arrows to scroll to the correct hour. Once selected, press the Confirm/Menu button to move to the minute and repeat the process. Press the Confirm/Menu button and the date and time will be set.

Note: Set the time using the 24 hour standard (Military Time).

Setup - Infrared Sensitivity

IR Sensitivity

- a. In the SET UP Menu, select “**IR Sensitivity**” and press the Confirm/Menu button.

Setup	
LCD Brightness	High
Volume	High
ID	PE00000_000000
Date & Time	2016/11/17 11:09
IR Sensitivity	Low

- b. There are three options to select from:

- 1. High**
- 2. Medium**
- 3. Low**

- c. Select the setting you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: IR sensitivity refers to the sensitivity of the night vision recording while the infrared switch is in auto mode. The higher the setting the more easily the camera will turn on night vision recording, and the lower the setting the darker it will become before night vision recording turns on.

Setup - Video Length

Video Length

- a. In the SET UP Menu, select “**Video Length**” and press the Confirm/Menu button.

Setup	
Video Length	30 Mins
Infrared Switch	Auto
IR LED	On
Motion Detection	Off
Pre-Record	Off

- b. There are four options to select from:

- 1. 30 Minutes**
- 2. 15 Minutes**
- 3. 10 Minutes**
- 4. 5 Minutes**

- c. Select the setting you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: Video length refers to the length of video segments while the device is recording. The minute amount is the length of each video segment before the device begins a new video file. This will NOT stop the device from recording. It will simply split your videos into smaller, more manageable files.

Setup - Infrared Filter Switch

Infrared Switch

- a. In the SET UP Menu, select “**Infrared Switch**” and press the Confirm/Menu button.

Setup	
Video Length	30 Mins
Infrared Switch	Auto
IR LED	On
Motion Detection	Off
Pre-Record	Off

- b. There are two options to select from:

- 1. Auto (Recommended):** camera will automatically turn on infrared recording once the amount of light becomes too low for day time recording.
- 2. Manual:** press and hold the night vision button to turn infrared recording on and off.

- c. Select the setting you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Setup - Infrared LED

Infrared LED

- a. In the SET UP Menu, select “**IR LED**” and press the Confirm/Menu button.

Setup	
Video Length	30 Mins
Infrared Switch	Auto
IR LED	On
Motion Detection	Off
Pre-Record	Off

- b. There are two options to select from:

- 1. On (Recommended):** infrared LEDs will turn on when infrared recording is turned on.
- 2. Off:** infrared LEDs will remain off.

- c. Select the setting you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Setup - Motion Detection

Motion Detection

- a. In the SET UP Menu, select “**Motion Detect**” and press the Confirm/Menu button.

Setup	
Video Length	30 Mins
Infrared Switch	Auto
IR LED	On
Motion Detection	Off
Pre-Record	Off

- b. There are four options to select from:

1. **Off:** motion detection will be disabled.
2. **Low**
3. **Medium**
4. **High**

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: Motion detection mode will not cause the device to automatically record. After turning motion detection on, press the record button to activate this mode. The camera will now record once motion is detected. Press the Record button again to deactivate motion detection. Higher settings will be more sensitive to noticing movement.

Setup - Pre-Recording

Pre-Recording

- a. In the SET UP Menu, select “**Pre-Record**” and press the Confirm/Menu button.

Setup	
Video Length	30 Mins
Infrared Switch	Auto
IR LED	On
Motion Detection	Off
Pre-Record	Off

- b. There are three options to select from:

1. **On:** camera will pre-record 5-30 seconds prior to pressing the Record button.
2. **Off:** pre-recording will be disabled.
3. **Audio Mute:** camera will pre-record without audio.

- c. Select the Pre-Recording option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: The amount of time recorded depends on the video resolution and bitrate settings. Lowering the resolution and bitrate will increase the duration of the pre-recorded video. While Pre-Record is turned on, the recording LED indicator will turn red and the display will show the recording indicator. Video will NOT be saved until the Record button is pressed.

Setup - Post-Recording

Post-Recording

- a. In the SET UP Menu, select “**Post Record**” and press the Confirm/Menu button.

Setup	
Post-Record	Off
Post Audio	On
LCD Auto Off	3 Mins
Auto Shutdown	10 Mins
Loop Recording	Off

- b. There are six options to select from:

1. **10 Seconds**
2. **20 Seconds**
3. **30 Seconds**
4. **60 Seconds**
5. **300 Seconds**

6. **Off:** post-recording will be disabled.

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: Post-recording causes the device to record for a set interval after the Record button is pressed at the end of a video. When the video is ended, a countdown will show for the remaining post recording duration.

Setup - Post Audio

Post Audio

- a. In the SET UP Menu, select “**Post Audio**” and press the Confirm/Menu button.

Setup	
Post-Record	Off
Post Audio	On
LCD Auto Off	3 Mins
Auto Shutdown	10 Mins
Loop Recording	Off

- b. There are five options to select from:

1. **Off:** the device will not record audio during pre and post video recordings.
2. **On:** the device will record audio during pre and post video recordings

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Setup - Auto Screen Off

LCD Auto Off

a. In the SET UP Menu, select “**LCD Auto Off**” and press the Confirm/Menu button.

Setup	
Post-Record	Off
Post Audio	On
LCD Auto Off	3 Mins
Auto Shutdown	10 Mins
Loop Recording	Off

b. There are five options to select from:

1. **Off**
2. **30 Seconds**
3. **1 Minute**
4. **3 Minutes**
5. **5 Minutes**

c. Select the option you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Note: The amount of time determines how long after the last button press the screen will turn off. This will NOT turn off the device.

Setup - Auto Shutdown

Auto Shutdown

a. In the SET UP Menu, select “**Auto Shutdown**” and press the Confirm/Menu button.

Setup	
Post-Record	Off
Post Audio	On
LCD Auto Off	3 Mins
Auto Shutdown	10 Mins
Loop Recording	Off

b. There are four options to select from:

1. **Off:** the device will not automatically turn off.
2. **3 Minutes**
3. **5 Minutes**
4. **10 Minutes**

c. Select the option you prefer and press the Confirm/Menu button.

d. Press the Playback button to return to the previous menu.

Note: This mode allows you to save battery life when the camera is not in use. The device will only turn off when not currently recording.

Loop Recording

- a. In the SET UP Menu, select “**Loop Recording**” and press the Confirm/Menu button.

Setup	
Post-Record	Off
Post Audio	On
LCD Auto Off	3 Mins
Auto Shutdown	10 Mins
Loop Recording	Off

- b. There are two options to select from:

- 1. On:** if memory becomes full, the camera will save new videos over the oldest files.
- 2. Off:** camera will stop recording when memory is full.

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: Loop recording is ideal for when being used as a dash camera.

GPS

- a. In the SET UP Menu, select “**GPS**” and press the Confirm/Menu button.

Setup	
GPS	Off
Default Setting	
Version	20160905-USB

- b. There are two options to select from:

- 1. On** (📶GPS): GPS position will overlay on recording files.
- 2. Off** (📶GPS): GPS data will not be recorded.

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: The GPS signal is locked when the GPS indicator turns from grey to red (*as shown with the settings options*). You must wait for your camera to acquire GPS signal before recording for videos to have GPS location. For GPS location to be viewed on a map, the files must be opened in the GPS video player software, which is available at: www.stuntcams.com/dv5-2

Default Settings

- a. In the SET UP Menu, select “**Default Setting**” and press the Confirm/Menu button.

Setup	
GPS	Off
Default Setting	
Version	20160905-USB

- b. There are two options to select from:

- 1. On:** this will restore the camera to default settings.
- 2. Off:** this will leave the camera on selected settings.

- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the Playback button to return to the previous menu.

Note: Resetting the device settings will NOT delete any saved photo or video files. This will only change the settings back to the factory default settings.

Firmware Version - USB Mode

- a. In the SET UP Menu, select “**Version**”.

Setup	
GPS	Off
Default Setting	
Version	20160905-USB

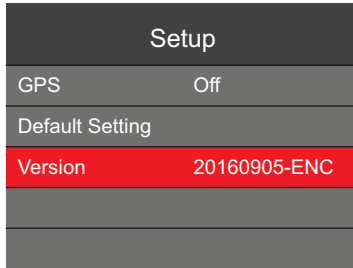
- b. The current firmware version will display on the screen.

- c. While in USB mode, the version will display with “USB” at the end of the firmware version (*as shown in the display*). While the device is in USB mode, all settings can be viewed and changed in the device Setup Menu.

- d. Press the Playback button to return to the previous menu.

Firmware Version - Password Protected

a. In the SET UP Menu, select “Version”.



Setup	
GPS	Off
Default Setting	
Version	20160905-ENC

b. The current firmware version will display on the screen.

c. With Password Protected firmware, “ENC” will be displayed (*as shown in the display*). While the device has Password Protected firmware installed the Date & Time, Device ID, and Loop Recording settings will not be displayed or editable in the Setup Menu. In this mode the camera will work with the PatrolEyes management software, and will be password protected while connected to your PC.

d. Press the Playback button to return to the previous menu.

Note: To download USB or Password Protected firmware, view our FAQ’s page and latest firmware upgrades, and more, visit: www.stuntcams.com/dv5-2

Drop-in Charging Station:

The included drop-in charging station allows you to charge the camera and additional batteries simultaneously. Simply connect the USB charger to the dock, and the blue light on the dock will turn on. Insert the camera by pushing the camera into the charging station until it clicks into place. The camera will then power on and begin charging. You can also charge an additional battery by inserting it into the battery slot, the red light will turn on while the battery is charging.

Note: The drop-in charging station will not allow you to transfer data to your PC.

Optional Accessories:

- PTT Cable
- Additional Batteries
- Suction Cup Mount
- Epaulette Mount
- Carrying Case
- Lanyard
- Screen Protectors
- 8 Camera Docking Station
- Camera Management Software
- PatrolEyes Protection Plus Program

For a complete list of accessories and pricing, visit:
For the latest news and firmware upgrades, please follow us at:
www.stuntcams.com/patroleyesone
www.facebook.com/patroleyes
www.twitter.com/patroleyes