

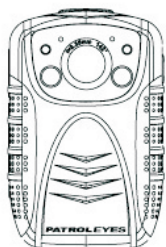
PATROLEYES

DV1-2
DV1-2XL

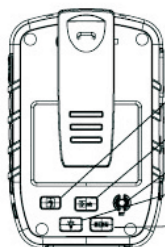


User Manual

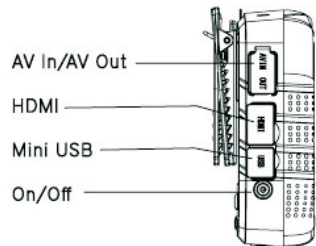
OPEN >>>>>>



FRONT



BACK



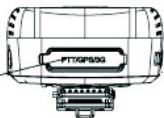
AV In/AV Out

HDMI

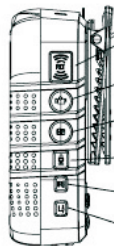
Mini USB

On/Off

30 Pin Port
(GPS, PTT, 3G)



BOTTOM



Back

Confirm

Reset

LCD ON/OFF

Menu

PTT

Record

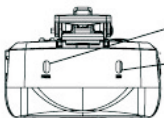
Picture

Audio

Night Vision

Laser Pointer

SIDE

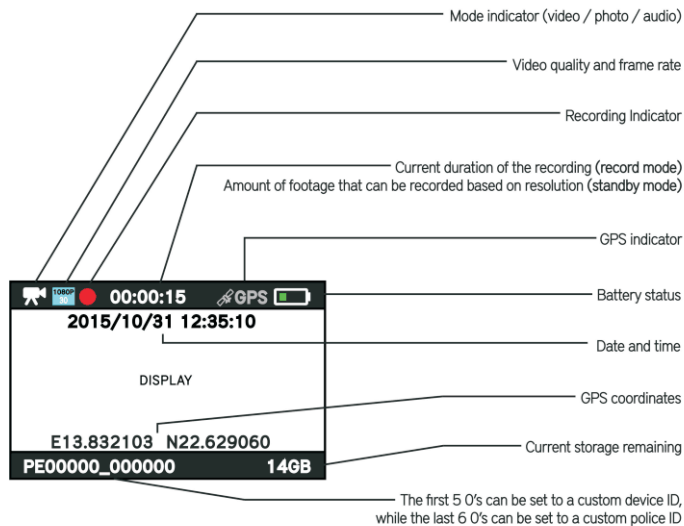


TOP

Power Indicator

Activity Indicator

On-screen Display:



Starting out (DV1 XL 2 version only)

The DV1 XL 2 version features a micro SD card slot that requires a micro SD card to operate.

To insert memory please open the AV/Micro SD tab. Notice the slot and insert any micro SD card, up to 128GB max, SDHC recommended. Insert the card and press it in until it clicks into place. The camera will now recognize the card as the device storage and is now ready for use.

- Fully charge the camera using the included USB cable and charger for 3-4 hours. The activity indicator will turn blue when charging. When the camera is fully charged the red light will turn off.
- Confirm that the date and time on your device are correct and enter your device ID and badge ID in the menu.

Note: The LCD screen protectors will help prevent scratches and do not interfere with the IR LED's. Keep the camera lens clean and free of debris with a soft cloth.

Wearing your body camera properly:

On your chest (uniform/vest)

- Rotate the camera's clip accordingly and clip it to the top of your uniform/vest.

On your shoulder

- Using the optional epaulette mount, clip the camera to the bracket on the epaulette mount.

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's clip and LCD and as close to the base of the clip's attachment.

Basic Operation:

1) Press and hold the "Power" button (*located on the bottom of the right side of the camera*) for about 3 seconds, the user will hear a click sound 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 a standby mode. The video preview mode will then 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 3 seconds, the camera will turn off. The user 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, 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.

1) Video Recording:

- a. To record a video, press the “Record” button on the left side of the *camera (second button with a video recorder symbol on it)* the unit will give three short vibrations. The video camera recorder symbol on the LCD monitor display will turn red and begin to blink, indicating the camera is currently recording.
- b. Press the “Record” button again to stop recording. The unit will vibrate three times and the video camera recorder symbol will stop blinking and turn white. The video has now been saved.
- c. When recording during the night or in a dark environment, press the “IR” button. The infrared (IR) LED lights will turn on and the device will enter into night mode. The 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.

2) Photograph Feature:

- a. To take photos, press the “Camera” button (*located under the Record button on the left side of the device with a symbol of camera on it*). The camera will start taking pictures similar to a digital camera.

- 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 “IR” button to go into night mode and turn on the IR LED lights. Photos taken in night mode will be black and white.

3) Audio Only Recording:

- a. To record audio only, press the “Microphone” button (*located below the Camera button with a microphone symbol on it*). The camera will vibrate once briefly and a recording timer will appear on the LCD screen display.
- 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.

Video Playback

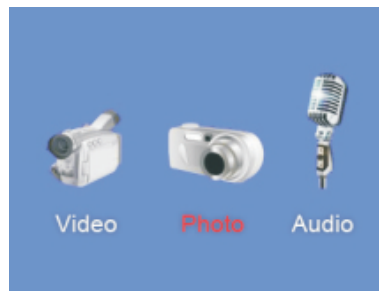
Users are able to view previously recorded video files using the following process:



- a. Press the “Confirm/Playback” button to go to the Playback Menu.
- b. Use the up arrow (IR/Zoom In) or the down arrow (Laser/Zoom Out) button to select the Video Icon, and then press the “Confirm/Playback” button to display all saved recorded video files.
- c. Select the video file to view by using the “Up/Down” buttons. After selecting the video file, press the “Confirm/Playback” button to see the recorded video in full screen.
- d. To return to the Playback Menu, press the “Return/Instant Playback” button.
- e. To return to the Video Preview screen display, continue to press the “Return/Instant Playback” button.

Photo Playback

There are two ways a user can play back recorded files on this device; the “Confirm/Playback” button and/or the “Return / Instant Playback” button (the buttons are located below the LCD monitor display, also see the picture diagram).



- ⚡ The “**Return/Instant Playback**” button when selected will automatically play the last recorded file.
- ⚡ The “**Confirm/Playback**” button when selected will take the user to the Playback Menu screen. The user can then select which recorded file to playback.

1) Photo Display:

- a. Press the “Confirm/Playback” button on the camera. The Playback Menu should appear on the LCD screen display.
- b. Use the up or down arrow button to select the Camera/Photo Icon, and then press the “Confirm/Playback” button to display all saved photos.

Photo Playback

- c. Select the photo to view by using the “Up/Down” buttons. After selecting the photo, press the “Confirm/Playback” button to see the picture in full screen.
- d. Users can alternate between photos using the “Up/Down” buttons (in both slide mode and full screen mode).
- e. To return from full screen mode to slide mode, press the “Return/Instant Playback” button.
- f. To return to the Playback Menu, press the “Return/Instant Playback” button.
- g. To return to the Video Preview screen display, continue to press the “Return/Instant Playback” button.

Audio Playback

Users are able to listen to recorded audio files by following these steps:



- a. Press the “Confirm/Playback” button to go to the Playback Menu.
- b. Use the “IR/Up/Zoom In” or the Laser/Down/Zoom Out” button to select the Microphone/Audio Icon, and then press the “Confirm/Playback” button to display all saved recorded audio files.
- c. Select the audio file by using the “Up/Down” buttons. After selecting the audio file, press the “Confirm/Playback” button to listen to the recorded audio file.
- d. To return to the Playback Menu, press the “Return/Instant Playback” button.
- e. To return to the Video Preview screen display, continue to press the “Return/Instant Playback” button.

Setup - Resolution

To enter the **Setup** interface, press the “Menu” button
(located below the LCD monitor display).

1) Resolution

- a. In the Setup Menu select “**Resolution**” and press the “Confirm/Playback” button.

Setup	
Resolution	1920x1080 30P
Video quality	High
Photo size	33M
Photo quality	High
Capture	Off

- b. There are five video resolutions to select from:

1. **2560x1080/30fps**
2. **2304x1296/30fps**
3. **1920x1080/30fps**
4. **1280x720/60/30fps**
5. **848x480/60/30fps**

- c. Select the video resolution you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Setup - Video Quality

2) Video Quality

- a. In the Setup Menu select “**Video quality**” and press the “Confirm/Playback” button.

Setup	
Resolution	1920x1080 30P
Video quality	High
Photo size	33M
Photo quality	High
Capture	Off

- b. There are three options to select from:

- a. **High**
- b. **Medium**
- c. **Low**

- c. Select the video quality you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Note: Quality refers to the bitrate of the videos. The higher the bitrate, the better the quality, but it will also be a larger file size.

Setup - Photo Size

2) Photo Size

- a. In the Setup Menu select “**Photo size**” and press the Confirm/Playback” button.

Setup	
Resolution	1920x1080 30P
Video quality	High
Photo size	33M
Photo quality	High
Capture	Off

- b. There are six photo resolutions to select from:

- a. **33 Megapixels**
- b. **16 Megapixels**
- c. **12 Megapixels**
- d. **8 Megapixels**
- e. **5 Megapixels**
- f. **3 Megapixels**

- c. Select the photo resolution you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

Setup - Photo Quality

3) Photo Quality

- a. In the Setup Menu, select “**Photo quality**” and press the Confirm/Menu button.

Setup	
Resolution	1920x1080 30P
Video quality	High
Photo size	33M
Photo quality	High
Capture	Off

- b. There are three options to select from:

- a. **High**
- b. **Medium**
- c. **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 - Capture

4) Capture - Continuous photo shooting in a sequence

- a. In the Setup Menu select “**Capture**” and press the “Confirm/Playback” button.

Setup	
Resolution	1920x1080 30P
Video quality	High
Photo size	33M
Photo quality	High
Capture	Off

- b. There are six options to select from:

- a. **Off**
- b. **5P**
- c. **10P**
- d. **15P**
- e. **20P**
- f. **25P**

- c. Select the capture mode you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Setup - Auto Shooting

5) Time Lapse - Take pictures automatically

- a. In the Setup Menu select “**Time Lapse**” and press the “Confirm/Playback” button.

Setup	
Time Lapse	Off
Brightness	High
Volume	Medium
ID	V100000_000000
System time	2017/06/26 15:55

- b. There are six options to select from:

- a. **Off**
- b. **3 Sec**
- c. **5 Sec**
- e. **10 Sec**
- f. **30 Sec**
- g. **60 Sec**

- c. Select the volume setting you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

6) Screen Brightness

- a. In the Setup Menu select “**Brightness**” and press the “Confirm/Playback” button.

Setup	
Time Lapse	Off
Brightness	High
Volume	Medium
ID	V100000_000000
System time	2017/06/26 15:55

- b. There are three options to select from:

- a. High
- b. Medium
- c. Low

- c. Select the Screen Brightness option you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

7) Volume - Controls internal speaker volume

- a. In the Setup Menu select “**Volume**” and press the “Confirm/Playback” button.

Setup	
Time Lapse	Off
Brightness	High
Volume	Medium
ID	V100000_000000
System time	2017/06/26 15:55

- b. There are four options to select from:

- a. Off
- b. High
- c. Medium
- d. Low

- c. Select the volume setting you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Setup - ID

8) ID - Sets device and user ID

PE_DV100000_00000 is the ID format, "PE" stands for "PatrolEyes", "DV1" is the camera model, "00000" is for device #, "000000" is for police #, every "0" means user can set from "0-9,A-Z".

Setup	
Time Lapse	Off
Brightness	High
Volume	Medium
ID	V100000_000000
System time	2017/06/26 15:55

- In the Setup Menu select "ID" and press the "Confirm/Playback" button.
- Press "IR/Up/Zoom In" or the Laser/Down/Zoom Out" button to move the cursor, then press "Confirm/Playback" button, and press "IR/Up/Zoom In" or "Laser/Down/Zoom Out" button again to change the digit.
- Press the "Instant/Playback" button to return to the previous menu.

Setup - System Time

9) Date and Time Setting - Sets time and date stamp

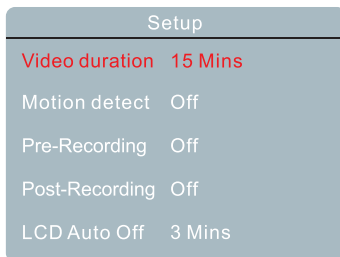
- In the Setup Menu select "System time" and press the "Confirm/Playback" button.

Setup	
Time Lapse	Off
Brightness	High
Volume	Medium
ID	V100000_000000
System time	2017/06/26 15:55

- Press "IR/Up/Zoom In" or the Laser/Down/Zoom Out" button to change the date or time, then press "Confirm/Playback" button to proceed to the next digit. Once the date and time is correct press the "Confirm/Playback" button to save and exit.

10) Video Duration

- a. In the Setup Menu select “**Video duration**” and press the “Confirm/Playback” button.



- b. There are four time intervals to select from:

- a. **5 Minutes**
- b. **10 Minutes**
- c. **15 Minutes**
- d. **30 Minutes**

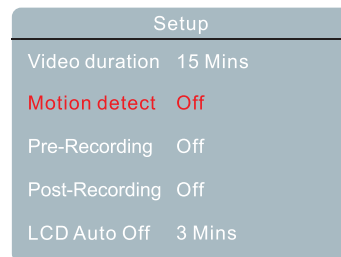
- c. Select the time interval you prefer and press the “Confirm/Playback” button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Note: This setting determines at what length to split the video files and will not stop the recording.

11) Motion Detection - Allows for motion detection

- a. In the Setup Menu select “**Motion detection**” and press the “Confirm/Playback” button.



- b. There are four options to select from:

- a. **Off**
- b. **Low**
- c. **Medium**
- d. **High**

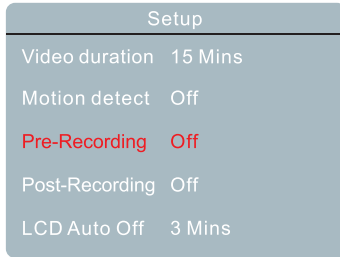
- c. Select the option you prefer and press the Confirm/Menu button.

- d. Press the “Instant/Playback” button to return to the previous menu.

Note: Motion detection mode will not cause the camera to automatically record. You will need to first press record.

12) Pre-Recording

- a. In the Setup Menu select “**Pre-Recording**” and press the “Confirm/Playback” button.

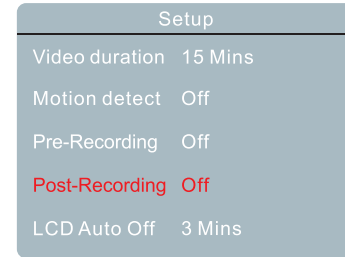


- b. There are two options to select from:
1. **On- camera will pre-record 5~30 seconds prior to pressing the “Record” button. (Depends on the video resolution and quality)**
 2. **Off- no pre-recording**
- c. Select the Pre-Recording option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

Note: To indicate that pre-recording is activated the red record icon will display without a time counter next to it. Pre-recording is now enabled when you start your next recording.

13) Post Recording

- a. In the Setup Menu select “**Post-Recording**” and press the “Confirm/Playback” button.

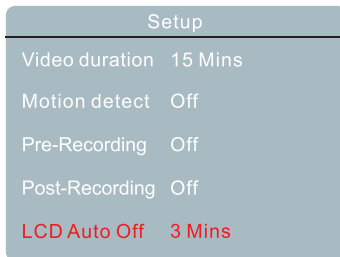


- b. There are six options to select from:
- a. **Off**
 - b. **10 Seconds**
 - c. **20 Seconds**
 - d. **30 Seconds**
 - e. **60 Seconds**
 - f. **300 Seconds**
- c. Select the Last-Recording option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

Note: Post recording will still record even if the record button is pressed

14) LCD Auto Off

- a. In the Setup Menu select “**LCD Auto Off**” and press the “Confirm/Playback” button.



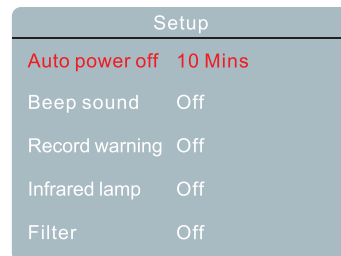
- b. There are five options to select from:

- a. Off
- b. 30 Seconds
- c. 1 Minute
- d. 3 Minutes
- e. 5 Minutes

- c. Select the Screen Brightness option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

15) Auto power off - Camera power saving function

- a. In the Setup Menu select “**Auto power off**” and press the “Confirm/Playback” button.



- b. There are four options to select from:

- a. Off
- b. 3 Minutes
- c. 5 Minutes
- d. 10 Minutes

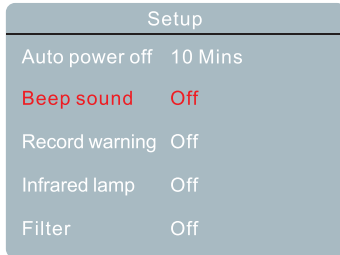
- c. Select the “Auto off” option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

Note: The camera will turn off automatically to save battery life if it is not recording.

Setup - Beep sound

16) Beep sound - Controls camera beep noise

- a. In the Setup Menu select “**Beep sound**” and press the “Confirm/Playback” button.



- b. There are two options to select from:

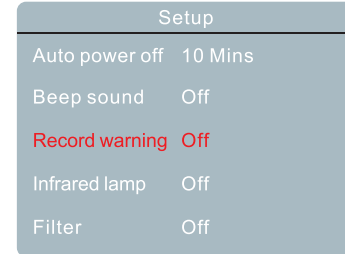
1. **On- camera chimes/sounds will be enabled when pressing buttons**
2. **Off- camera chimes/sounds will be muted**

- c. Select the Beep option you prefer and press “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

Setup - Recording Warning

17) Recording warning - Controls cameras alert chirp

- a. In the Setup Menu select “**Record warning**” and press the “Confirm/Playback” button.



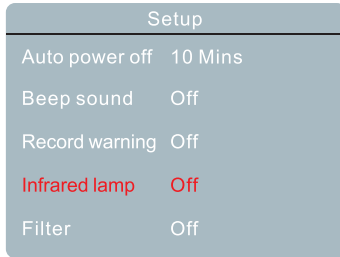
- b. There are four options to select from:

- a. **Off**
- b. **10 Seconds**
- c. **15 Seconds**
- d. **30 Seconds**

- c. Select the Recording warning option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

18) Infrared lamp

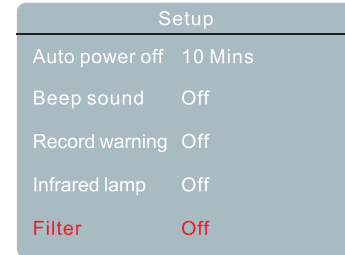
- a. In the Setup Menu select “**Infrared lamp**” and press the “Confirm/Playback” button.



- b. There are two options to select from:
- 1. On- the infrared LEDs will be automatically activated when the camera is powered on**
 - 2. Off- the infrared LEDs will not be activated automatically when the camera is powered on**
- c. Select the Infrared lamp option you prefer and press “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

19) Filter

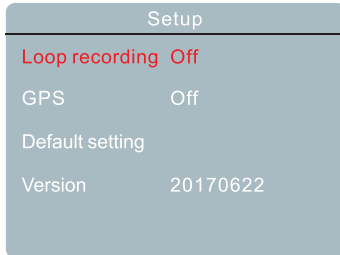
- a. In the Setup Menu select “**Filter**” and press the “Confirm/Playback” button.



- b. There are two options to select from:
- 1. On- the IR night vision filter will be automatically activated when the camera is powered on. This allows you to record in night vision mode without the infrared LEDs active / glowing red**
 - 2. Off- the IR night vision filter will be disabled when the camera is powered on**
- c. Select the Filter option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the

20) Loop Recording

- a. In the Setup Menu select “**Loop recording**” and press the “Confirm/Playback” button.



- b. There are two options to select from:

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

- c. Select the option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.

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

21) GPS

- a. In the Setup Menu select “**GPS**” and press the “Confirm/Playback” button.



- b. There are two options to select from (**You must purchase the GPS adapter for GPS**):

1. **On- enables GPS function**
2. **Off- disables GPS function**

- c. Select the GPS option you prefer and press the “Confirm/Playback” button.
- d. Press the “Instant/Playback” button to return to the previous menu.
- e. GPS signal is locked when the GPS icon turns from pink to blue.

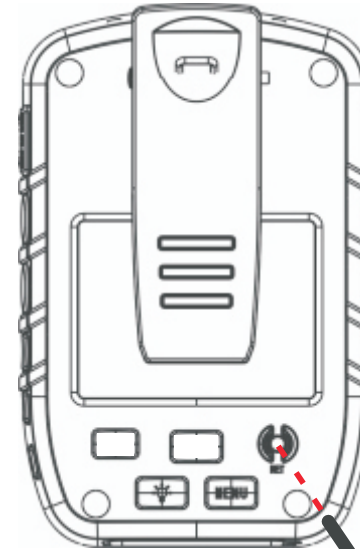
22) Firmware Version

- a. In the Setup Menu select “**Version**”.



- b. The current Firmware Version will display on the screen.
- c. Press the “Instant/Playback” button to return to the previous menu.

If you are having problems with your device, please try and reset the camera using the reset button. The reset button is the button to the right of the confirm button.



Note: Use a paper clip or finger nail to press the reset button. You will hear a click after the button is pressed. Make sure the device is on or charging while trying to reset.

Optional Accessories

- PTT (push to talk) Walkie Talkie Cables
- GPS Adapter
- Suction Cup Mount
- Docking Station with Content Management Software
- Covert Button External Camera (Day or Night)
- Wide Angle External Camera (Day or Night)
- Epaulette Clip

For a complete list of accessories, video management software and pricing, visit:
www.stuntcams.com/PatrolEyes

For the latest news and firmware updates, please follow us at:
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www.twitter.com/PatrolEyes

View our FAQ's page, firmware and more at:
www.stuntcams.com/sc-dv1-2