DRIFT®

STEALTH 2
user manual

version 1.0.0.

Contents

Precautions

General precautions

Please take note of the following guidelines when using your Stealth 2 camera:

- The camera is 1.2m shock resistant, but not shock proof—please take care of your camera and accessories, mounting and storing them securely.

- For your safety, do not press the buttons on the camera during sports activities

- Do not store the camera anywhere prone to dust or damp for extended periods of time.

- Do not leave the camera exposed to extremely high temperatures—such as under direct sunlight—for extended periods of time as this may affect the camera housing and internal components.

- Clean the lens and screen with a micro fibre, antistatic cloth to remove fingerprints or dust—no cleaning chemicals are required.

- The camera has a working temperature range of -10°C to 40°C (14°F to 104°F).

- Power off the camera before removing the memory card as stored data may be damaged if it is removed or inserted while the camera is powered on.

- Remove the memory card before storing the camera for long periods of time.

Weather resistance

The Stealth 2 is engineered to be resistant to dust, snow, rain and splashes. The camera is NOT waterproof without the waterproof case.

- Operating the camera at temperatures below 0°C reduces battery life and lowers battery performance.

- Do not charge the battery at temperatures below 0°C.

- Clean off any salt water or dirt from the camera immediately and prior storing.

- Do not subject the camera to a sudden impact of water—the camera should always be used in the waterproof case under intensive water-based applications.

Attention

! Rechargeable batteries are only to be charged under adult supervision.

! **DO NOT** open, puncture or otherwise damage the internal rechargeable battery, or dispose of it in fire.

! **DO NOT** attempt to open the camera body or disassemble for any reason. This will instantly nullify the standard warrnty, and risks damaging the internal battery.

! **Optimal Camera Storage**

We recommend users store cameras for a minimum of 6-12 hours with the Back Hatch open, in less then 30% humidity.

Never open the Back Hatch in damp or humid conditions if possible.

Disclaimer

Drift Innovation will not, under any circumstances, be responsible for injuries or property damaged incurred during participation of any high-risk sport or activity not endorsed or recommended by Drift Innovation. Remember that the warranty will only cover manufacturing defects.

Overview
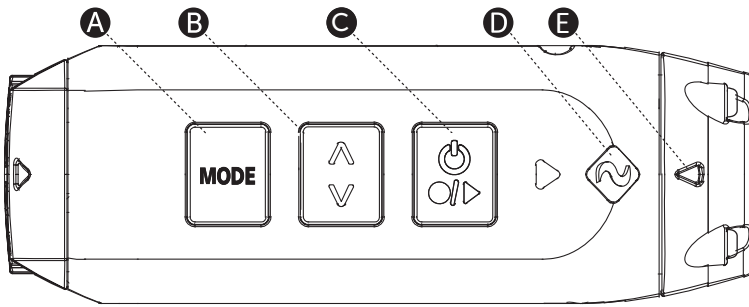
Figure 1: Top View
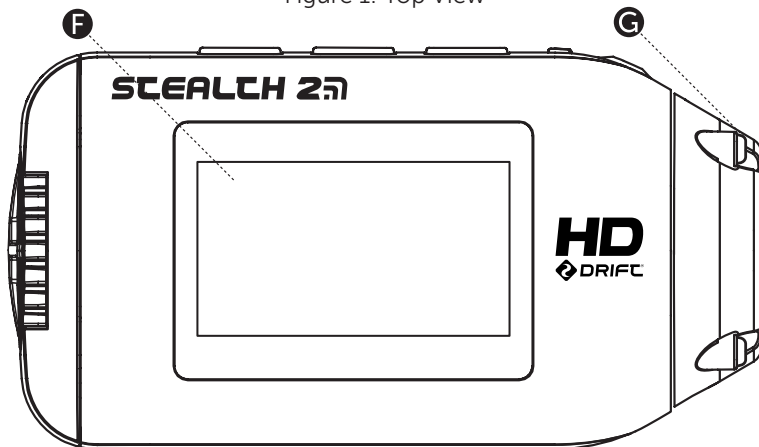
Figure 2: Screen View
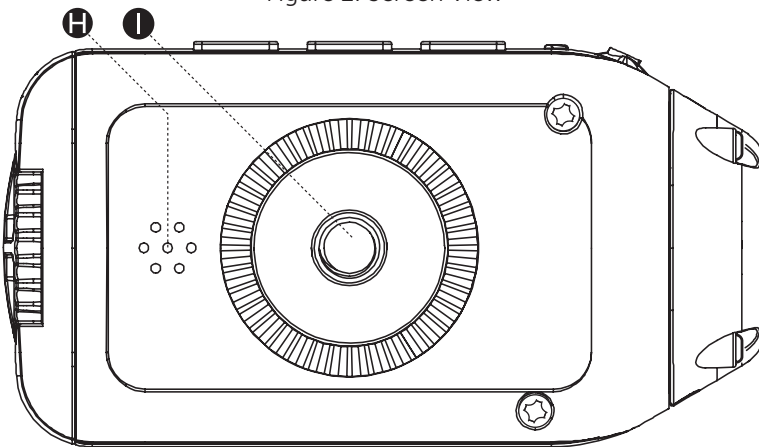
Figure 3: Connector View

A MODE Button (Simultaneous Photo/Tag)

B CYCLE OPTION Button

C ACTION Button (On/Off/Rec/Stop)

D Status LED

E Lens 'UP' indicator

F 1.3" LCD Screen

G 300° Rotating / Replaceable Lens

H Speaker

I ¼"-20 Thread

J USB Port (Micro Type B)

K HDMI Port (Micro Type D)

L Micro SDHC Card Slot

M RESET Button

N Standard Rear Hatch

O Rear Hatch 'Up' Indicator

P Lens 'Up' Indicator

Q Built-in Noise Reducing Microphone

Figure 4: Rear View - No Hatch
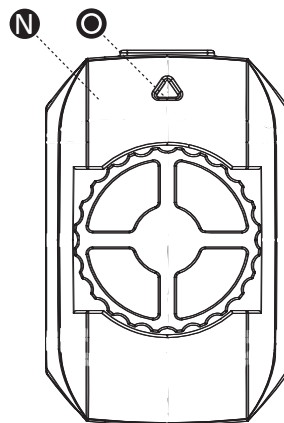
Figure 5: Rear View - Standard Hatch
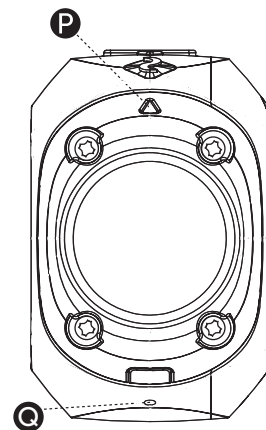
Figure 6: Rear View - Front View
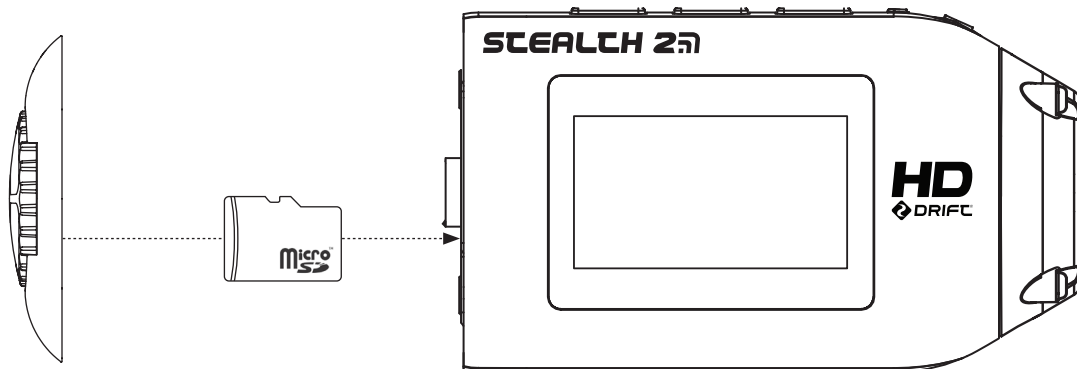
Using The Camera

Figure 7: Inserting the Micro SD card

Initial setup

1. Unscrew the rear hatch of the camera by hand.

2. Insert a micro SDHC card into the card slot, as above, until you hear a click

3. Connect the camera by the micro USB cable (provided) to a powered USB port and charge for at least 4 hours before first use, until fully charged.

4. Replace the rear hatch, ensuring the arrow indicator points to the camera face with the control buttons.

Powering on and off

Press and hold the ACTION button on the camera—the LED indicator and screen will power on and display a welcome message.

To power off, hold the ACTION button for 3 seconds, or until the LED indicator and screen power off.

Charging

1. Connect the micro USB cable to the port at the rear of the camera and then to a powered USB port in your computer, other USB device or USB power adaptor (not included).

! If connected to a computer, the camera screen will show a USB symbol

! If connected to a USB power adaptor, the screen will show 'Charging...'

2. A full charge takes around 4 hours (min 1A)—once the camera is fully charged, remove the micro USB cable and replace the rear hatch and screw closed

Battery life

At a temperature of 25°C (77°F), with all power saving features off and the camera recording continuously, the battery will last for about 3 hours (1080p 30FPS, Wi-Fi off), on a full charge (*see Conserving Battery Life, p18*).

Using an external power supply

The camera can be powered by an external power supply such as a USB power adapter, Drift Power Pack or Drift 12V Charger. We recommend you power off your camera before plugging into any external power supply.

Press the ACTION button to begin normal usage when using an external supply.

If the external power is cut off for any reason during recording, the camera will immediately start drawing power from the rechargeable battery instead and continue recording, protecting your footage from file corruption.

Selecting a micro SD card

The Drift Stealth 2 is compatible with Micro SDHC cards of up to 32GB, and of Speed Class 6 or above. We recommend Class 10 cards for recording HD video and system stability.

Below is a table of approximate video recording times against card size.

	Approximate Recording Time (30 FPS)		
	1080P	720P*	WVGA
1 GB	9min	12min	27min
2 GB	18min	24min	54min
4 GB	36min	48min	1h 48min
8 GB	1h 12min	1h 36min	3h 36min
16 GB	2h 24min	3h 12min	7h 12min
32 GB	4h 48min	6h 24min	14h 24min

Formatting a micro SD card

Formatting will remove all files from a memory card. When using a new card for the first time, formatting is recommended. With the card inserted in the camera:

1. Cycle to Camera Settings

2. Select 'Format Memory Card', press ACTION and then confirm

Formatting may take a few moments to complete—please be patient.

Removing a micro SD card

To remove the card, push it until you hear a click. The card slot is spring loaded and the card will slide from the slot.

Camera Menu System
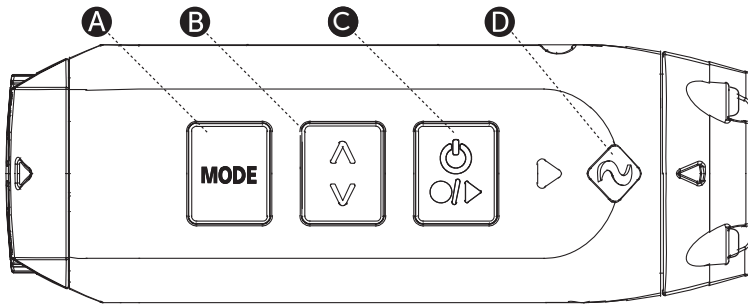
Figure 8: Stealth 2 Top View

Ⓐ MODE/Simultaneous Photo/Video Tag Button

Ⓑ CYCLE OPTION Button

Ⓒ ACTION Button (On/Off/Rec/Stop)

Ⓓ LED Indicator

The Drift Stealth 2 has an easy-to-use menu system which can be navigated using the camera's three control buttons.

Mode Selection

The Mode Selection menu is used to select the camera mode.

On pressing the MODE button, the camera will switch between the 4 recording modes and the Camera Settings. The LCD screen backlight will take over the colour for the selected mode and the camera is ready to capture.

For more information about the four camera modes, (*see p7-12*).

Cycle Options

The CYCLE button is used to select specific settings for each of the four camera modes, as well as cycle through setting options.

To change the settings of the current camera mode press the CYCLE button. This will change the settings between a selection of presets.

For more information about the four camera modes and their settings, (*see p7-12*).

Camera Settings Menu

The Camera Settings menu is used to view and adjust camera settings.

For full details, (*see p13*).

Figure 9: Preview Screen

Figure 10:
Mode Selection Flow Chart

Video Mode

VIDEO MODE (GREEN LED)

While the camera is powered on and in Video Mode—with a compatible micro SD card inserted with enough free memory—it will record video when ACTION is pressed on the camera or the remote control.

1. To enter Video Mode, ensure the camera is powered on.
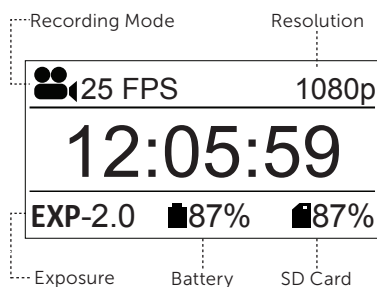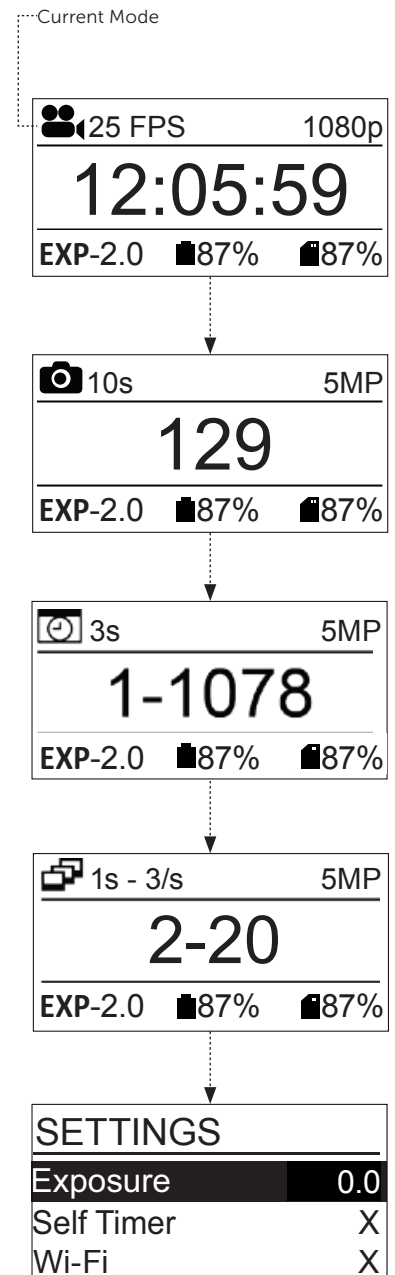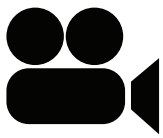2. Press MODE button to cycle through the 4 modes until video mode is selected.
3. Press the cycle to switch between video resolutions.
! The Stealth 2 will only toggle between resolutions of either NTSC or PAL standards. This can be changed in the settings menu, under 'video standard', see page 13.

The screen will take over a green backlight and display the Video Mode icon in the top-lefthand corner of the screen, and the LED indicator will turn green—the camera is ready to record video.

Recording Video

1. Press ACTION on the camera or remote control to begin recording video
2. The LED indicator will blink red while the camera is recording
! The duration of the current recording is indicated by the on-screen timer
3. To stop recording, press ACTION on the camera, or STOP on the remote control—the LED indicator will turn green

Video Mode Settings

Resolution	**1080P**
	960P
	720P
	WVGA
Frame Rate	25 (1080/960/720/WVGA)
	30 (1080/960/720/WVGA)
	50 (720/WVGA)
	60 (720/WVGA)
	100 (WVGA)
	120 (WVGA)
FOV	**135°**
Exposure	-2
	-1
	0
	+1
	+2
Self Timer	3s
	5s
	10s
Video Tagging	On
	Off
Video Tagging Interval	**10s**
	30s
	1m
	2m
	5m
	10m
Car DVR	1m
	3m
	5m
	10m
	15m

Video Mode   Frame Rate   Resolution

📹 25 FPS   1080p

12

EXP-2.0   ■87%   ■87%

Total Video Count
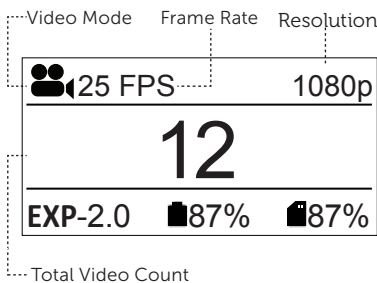
Figure 11: Video Mode - Stand by

Video Mode   Frame Rate   Resolution

📹 25 FPS   1080p

12:05:59

EXP-2.0   ■87%   ■87%

Total Video Count   Recording Timing
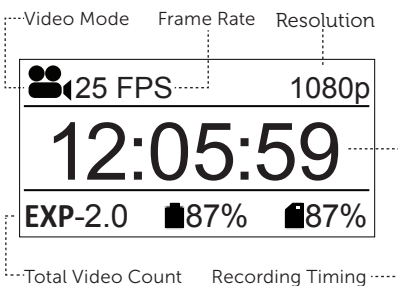
Figure 12: Video Mode - Recording
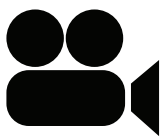
Video Mode

Video Tagging
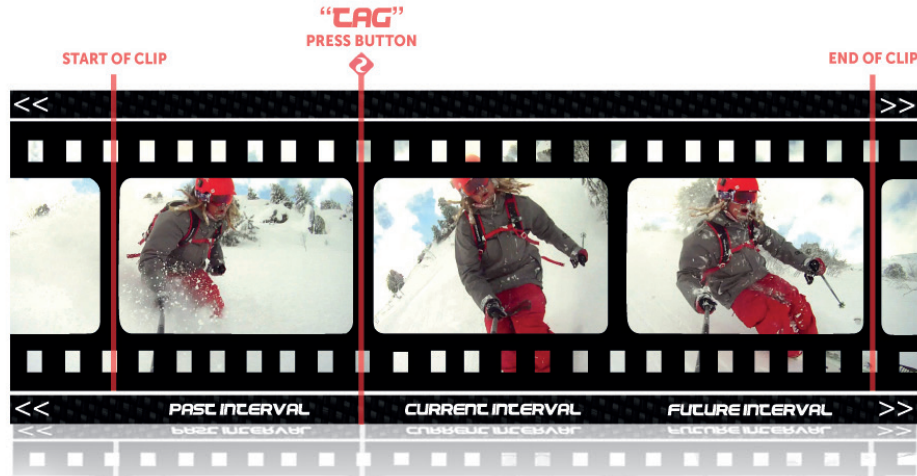
Figure 13: Video Tagging Illustration

When activated, this feature allows the camera to continuously record video, but save only 'tagged' footage. For example, with Video Tagging turned on and a Video Tagging Interval of 30s selected, pressing MENU while recording video will save the previous 30s, the current 30s and an additional 30s—a total of 1m30s of tagged footage.

Video Tagging can be turned on or off in the Settings menu.

1. To turn Video Tagging on, switch to Settings Mode

2. Cycle to 'Video Tagging', press ACTION to toggle between On/Off

3. Under 'Video Tagging Interval', press ACTION to choose the desired interval time

4. At the Standby screen, 'T'indicates Video Tagging is activated, and the set Video Tagging Interval is displayed, (see Figure 14).

5. Pressing ACTION will begin the loop recording, but without saving any footage. The LED will be blinking green, (see Figure 15).

6. While recording video, pressing the MODE button will tag and save past, present and future video intervals. The on screen indicator will turn to a check mark and the LED will turn RED (see Figure 16).

5. Tagging can be stopped by pressing ACTION on the camera, or STOP on the remote control

Pressing MODE again while tagging will add an additional tagging interval to the end of the saved footage.

! Please ensure you have at least 4GB of free space on your micro SD card for video tagging to function properly
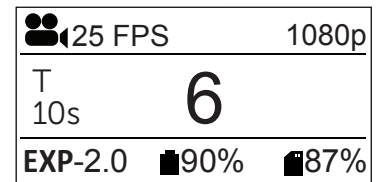
Figure 14: Stand by Screenshot
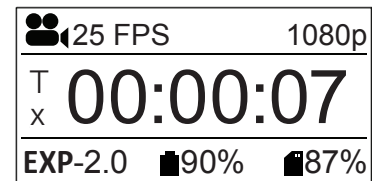
Figure 15: Recording Screenshot
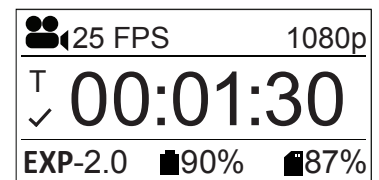
Figure 16: Tagging Screenshot
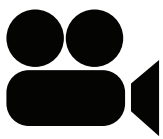
Video Mode

Taking simultaneous photos while recording video

With Video Tagging turned off, pressing MODE on the camera while recording video will simultaneously take a still photo. Simultaneous Photo is available in the following video setups: 1080p (30/25 FPS), 960p (30/25 FPS), 720p (30/25 FPS), WVGA (30/25 FPS).

! This feature is only available when Video Tagging (*see p.8*) is turned off

Car DVR mode
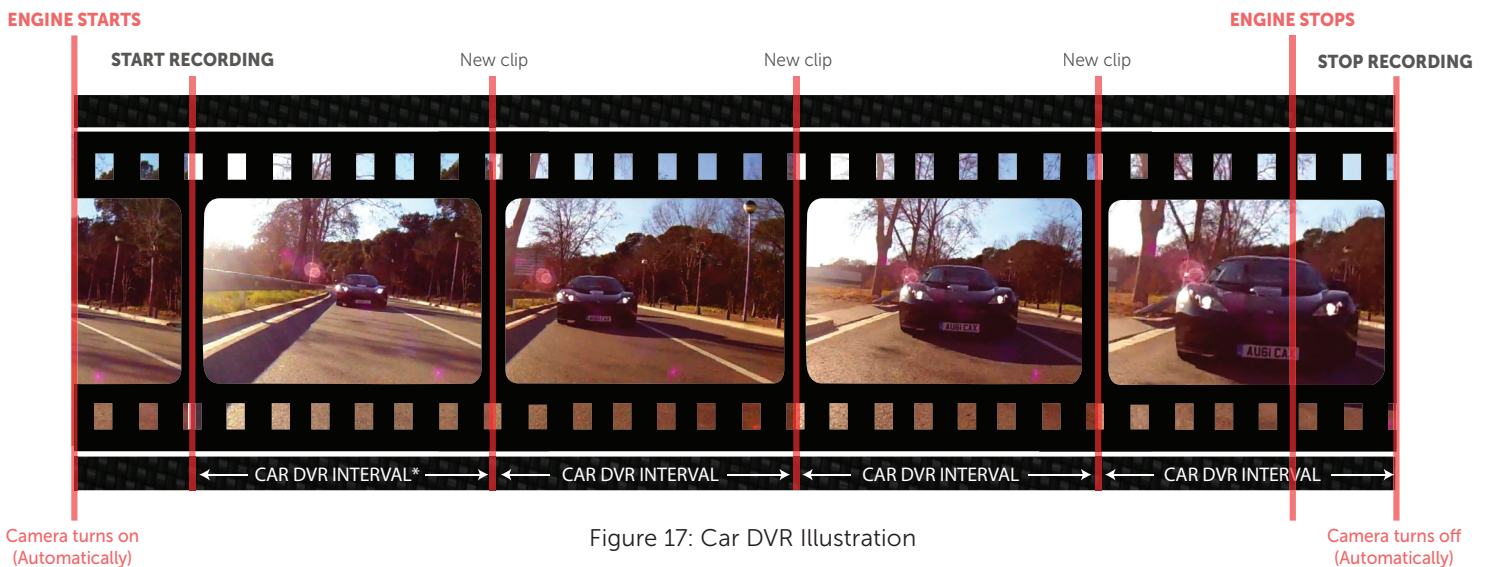
Figure 17: Car DVR Illustration

This hands off mode setting is ideal for insurance and security purposes. In this mode the camera records footage in a continuous loop style (DVR Intervals) recording loop after loop until it fills the Micro SD Card. Once full, the oldest loops will be deleted as the newest ones are saved. DVR loop intervals can be 1min, 3min, 5min, 10min or 15min intervals.

Car DVR mode can be turned on or off in the Camera Settings menu, it will automatically power the camera on and begin recording when power is delivered to the USB port. Setting the Car DVR to 'M' (manual) allows the user to use this feature while manually starting the first loop by pressing ACTION. This is ideal for users such as cyclists where external power is not often used.

To turn Car DVR mode on, cycle to the Camera Settings menu and select Car DVR Mode, press ACTION, then select 'AUTO' or 'MAN'. On the screen a car icon will indicate that Car DVR mode is enabled.

◉ Photo Mode

PHOTO MODE (YELLOW LED)

While the camera is powered on and in Photo Mode—with a compatible micro SD card inserted with available memory—it will capture a still image when ACTION is pressed on the camera or the remote control.

1. To enter Photo Mode ensure the camera is powered on.

2. Press MODE button to switch to photo mode.

3. Press CYCLE to switch between Photo Resolutions.

The screen will be backlit in yellow and display the Photo Mode icon in the top-lefthand corner of the screen, and the LED indicator will turn yellow—the camera is ready to take photos.

! Exposure & self timer settings are global and can be set in the settings menu.

Capturing photos

1. Press ACTION on the camera or remote control to take a photo.

2. The LED indicator will blink red once before returning to yellow.

Photo Mode Settings

Resolution	3/5/12MP
FOV	135°
Exposure	-2
	-1
	0
	+1
	+2
Self Timer	3s
	5s
	10s

Photo Mode ⋯⋯⋯⋯ Self-Timer ⋯⋯ Photo Resolution ⋯⋯

◉ 10s   5MP

129

EXP-2.0   ▪87%   ▪87%

⋯ Exposure

Photo Count ⋯
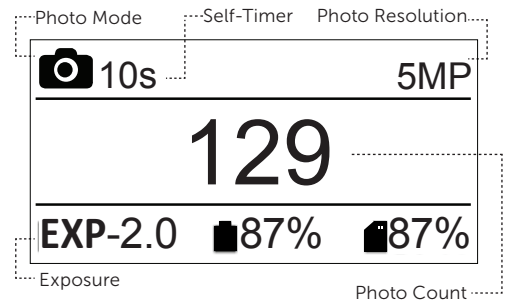
Figure 18: Photo Mode - Preview Screen
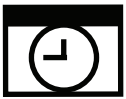
Timelapse Mode

TIMELAPSE MODE (PURPLE LED)

While the camera is powered on and in Timelapse Mode—with a compatible micro SD card inserted with enough free memory—it will capture a series of still images at a specified rate when ACTION is pressed on the camera or the remote control.

1. To enter Timelapse Mode, ensure the camera is powered on
2. Press MODE to switch to Timelapse mode

The screen will be backlit in purple and display the Timelapse Mode icon in the top-lefthand corner of the screen, and the LED indicator will turn purple—the camera is ready to take timelapse photos.

Capturing Timelapse

The Timelapse Sequence Interval can be set using the CYCLE button

1. While in Timelapse Mode, use the CYCLE button to select between the interval time options
3. Press ACTION on the camera or remote control to start a timelapse series.
4. The LED indicator will blink red once when each photo is taken
5. To stop timelapse, press ACTION on the camera or STOP on the remote control

Timelapse Mode Settings

Resolution	**3MP**
FOV	**135°**
Sequence Interval	0.5s
	1s
	2s
	3s
	5s
	10s
	30s
	60s
Exposure	-2
	-1
	0
	1
	2
Self Timer	3s
	5s
	10s
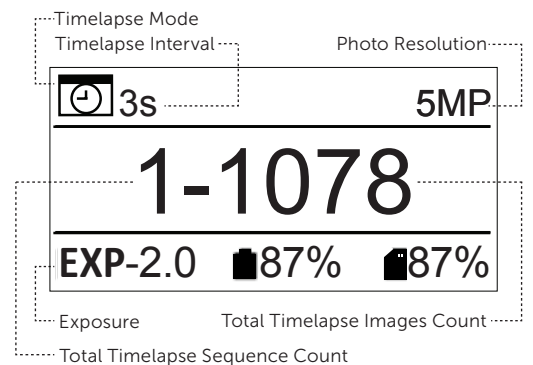
Figure 19: Timelapse - Preview Screen

Photoburst Mode

PHOTOBURST MODE (CYAN BLUE LED)

While the camera is powered on and in Photoburst Mode—with a compatible micro SD card inserted with enough free memory—it will capture a burst of still images for an allotted duration, at a rate of 3 images a second when ACTION is pressed on the camera or the remote control.

1. To enter Photoburst Mode, ensure the camera is powered on

2. Press MODE to switch to Photoburst mode

The screen will be backlit in cyan blue and display the Photoburst Mode icon in the top-lefthand corner of the screen, and the LED indicator will turn cyan (light blue)—the camera is ready to take a photoburst series.

Capturing Photoburst

The Photoburst Mode settings can be set using the CYCLE button.

1. While in Photoburst Mode, use the CYCLE button to select between the different burst duration options.

2. Press ACTION on the camera or remote control to start photoburst

3. The LED indicator will blink rapidly during a photoburst shoot

Photoburst Mode Settings

Resolution	5MP
FOV	135°
Capture Rate	3/s
Burst Duration	1s
	2s
	5s
Exposure	-2.0
	-1.0
	0.0
	+1.0
	+2.0
Self Timer	3s
	5s
	10s
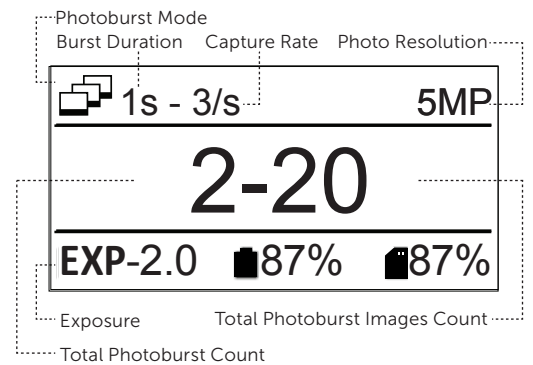
Figure 20: Photoburst - Preview Screen

⚙ Camera Settings

Upon opening the 'Settings' menu, the screen will display a list of adjustable camera settings.

Pressing CYCLE will navigate forward one setting, while holding CYCLE will move the selection back up the menu allowing for reverse scrolling.

WiFi

To turn WiFi on or off, switch to Settings Mode and use the CYCLE button to navigate to WiFi settings.

Press ACTION to switch between ON and OFF.

WiFi Network Name

Your Stealth 2 will come with the SSID programmed to be: 'Stealth 2_XXXXX' where XXXXX is the last 5 characters of your camera's unique serial number.

Setting the date and time

1. While in Settings Mode, use the CYCLE button to select the Date

2. Press ACTION to start adjusting the Date and Time settings

3. Use the CYCLE button to adjust the value of year/month/day/time and press ACTION to confirm

Reset Default Settings

To restore the factory camera settings, navigate to 'Reset Settings' in Settings Mode and press ACTION, then confirm.

Firmware

Selecting 'Firmware Version' from the Camera Settings menu will display the camera's current firmware version.

For more details about updating firmware, (*see p19*)

Setting	Value
Exposure	-2.0
	-1.0
	0.0
	1.0
	2.0
Self Timer	**Off**
	3s
	5s
	10s
WiFi	On
	Off
Video Tagging	On
	Off
Video Tagging Interval	10s
	30s
	1m
	2m
	5m
	10m
Car DVR Mode	**Off**
	Auto
	Manual
Car DVR Interval	1m
	3m
	5m
	10m
	15m
Video Standard	**NTSC**
	PAL
Mic Sensitivity	Off
	Low
	Medium
	High

Setting	Value
Speaker Volume	Off
	Low
	Medium
	High
Remote Control	Yes
	No
Remote Pairing	Refresh
	Cancel
RC LED	**On**
	Off
Camera LED	**On**
	Off
Camera Auto Off	**Off**
	2m
	5m
	10m
	20m
LCD Backlight	**On**
	Off
LCD Backlight Timer	Off
	5s
	10s
	20s
	1m
Date	Year/Month/Day
Date/Time	On
	Off
Language	English
Reset Settings	
Format Memory	Yes
	No
Firmware Version	v.X.X.X.X.

Two-Way Remote Control

Please note: The Two-Way Remote Control is an accessory for purchase (see driftinnovation.com for more info) but is NOT included in the purchase of the Stealth 2.

Charging

Connect the remote control using the Mini USB cable (provided) to a powered USB port. The LED will blink red. A full charge takes around 2 hours using a 2 amps charger. Once the remote is fully charged, the LED will show solid green—remove the mini USB cable and replace the rubber dust-proof USB seal.

Powering on and off

1. Ensure the camera is powered on (*see p5*)
2. Press and hold the ACTION button on the remote—the LED will power on and indicate the current camera mode
❗ The remote will automatically power off if it does not find a camera after 15s

Pairing camera to a remote control - one to one 'RC 1-1'

1. On the camera, navigate to Settings mode using the MODE button
2. Scroll down to 'RC 1-1' using the CYCLE button and press ACTION
3. On the remote control, press ACTION—The camera will beep and return to the Camera Settings menu if it has recognised the remote
❗ If the camera does not display 'successful' and return to the Camera Settings menu it will not be paired—try pressing ACTION on the remote again
4. On the camera, the icon beside Remote Pairing will change to indicate it is paired to a remote control

Using the remote control - one to one 'RC 1-1'

While the camera and remote are both powered on and paired, pressing ACTION on the remote control will begin recording video, capture a photo, start timelapse or photoburst, depending on the camera mode.

Pressing ACTION while recording video will capture a photo, or start Video Tagging (if activated, *see p8*). Pressing STOP will end video recording or timelapse.

Pressing STOP while the camera is in stand by will toggle between camera modes, as indicated by the LED indicator on the camera and remote (*see Recording Modes p7 - p12*).
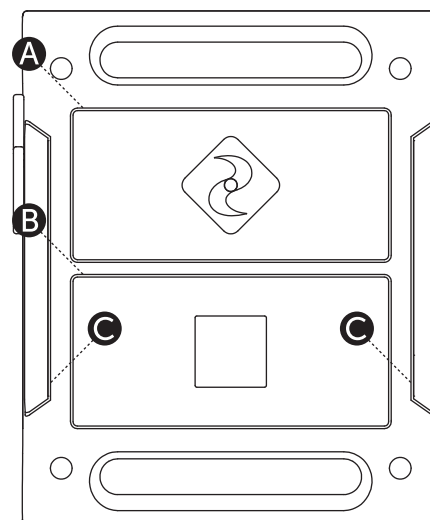

Figure 21: Two-Way Remote

Ⓐ ACTION Button

Ⓑ STOP Button (Tag/Toggle Mode)

Ⓒ LED Indicator

❗ The Remote is **NOT** waterproof.

Two Way Remote Control (cont'd)

Pairing camera to a remote control - one to all 'RC 1-ALL'

A single remote control can be paired to an infinite number of cameras in a 10m range from the remote control, to enable footage to be captured from every angle.

1. On the camera, navigate to Settings mode using the MODE button

2. Scroll down to 'RC 1-ALL' using the CYCLE button and press ACTION

3. On the remote control, press ACTION—The camera will beep and return to the Camera Settings menu if it has recognised the remote

! Any camera that does not display 'successful' and return to the Camera Settings menu it will not be paired—try pressing ACTION on the remote again

4. On the camera, the icon beside Remote Pairing will change to indicate it is paired to a remote control

! When pairing multiple cameras, always test the remote control to see if it operates all the cameras before mounting them

Using the remote control - one to all 'RC 1-ALL'

While the camera and remote are both powered on and paired, pressing ACTION on the remote control will begin recording video, capture a photo, start timelapse or photoburst, depending on the camera mode.

Pressing ACTION while recording video will capture a photo, or start Video Tagging (if activated, (*see p8*). Pressing STOP will end video recording or timelapse.

The remote contol indicator lights will show white to indicate the remote control is paired to multiple cameras.

LED Status	Description
Rapid Blinking Red	Less than 15% battery life remains
Blink Red Once	Taking a photo (Photo, Timelapse and Photoburst Modes)
Blinking Red	Recording video (Video Mode)
Blinking Blue	When the camera receives a signal from the remote control
Blinking Green	Camera is in Video Mode
Blinking Yellow	Camera is in Photo Mode
Blinking Purple	Camera is in Timelapse Mode
Blinking Cyan	Camera is in Photoburst Mode

Figure 22: Remote LED Status

Shot Setup
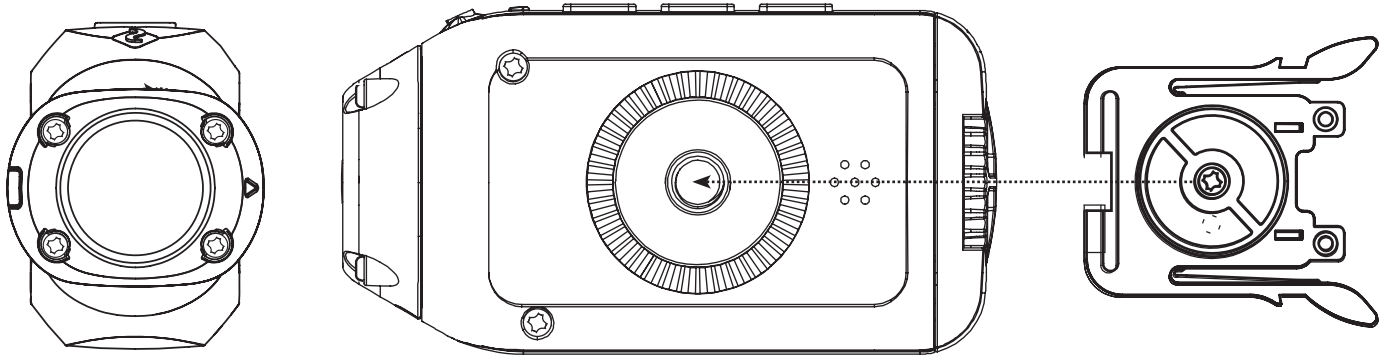
Fixing the camera to the Universal Clip

1. Align the screw of the universal clip with the thread on the underside of the camera body
2. Twist the screw thread in a clockwise direction
3. As the universal clip tightens against the body of the camera, rotate the camera to provide the desired angle of attachment, holding the clip in place
4. Tighten the screw on the universal clip until it fits firmly against the camera body

Closing the rear hatch

1. Ensure the directional arrow "up" indicator is pointing up towards the buttons
2. Tighten the screw on the rear hatch by hand

! Failure to completely seal the rear hatch will compromise weather resistance *(see p3).*

Mounting the camera to a Drift mount

Included with the camera are several Drift mounts which will help you find the shot you want.

Mounting the camera on goggles

1. Attach the Goggle Mount to the strap of your goggles
2. Slide the camera (with universal clip attached) into the mount until the two arms on the clip click into place

Mounting the camera on a helmet

1. Position the Curved Surface Mount against your helmet to find the optimum mounting position
2. Ensure the mounting surface is clean, dry and free of oil and dust
3. Remove the cover of the mount's 3M adhesive and fix the mount to the helmet—allow 24 hours to cure
4. Slide the camera (with universal clip attached) into the mount until the two arms on the clip click into place

Fixing the camera to the standard ¼" thread

Thread the camera onto a tripod, or any other mount with a standard camera thread, turning the camera body on the thread clockwise to secure.

! However you choose to mount your camera, ensure that the camera is fitted firmly to reduce the risk of losing it. Give it a tug before you set out.

! **Do not** overtighten on a ¼" thread with a thread longer than 6 mm.

Lens Rotation

In order to maximise your mounting options, the camera lens is rotatable through 300°, allowing for the perfect shot from even the most awkward of positions.

Whilst holding the camera body in one hand, use the index finger and thumb of the other hand to hold the camera lens firmly, then twist the lens to the desired angle. The arrow indicator above the lens indicates 'up' and corresponds with the top of the display in Live Preview.

! Be sure to rotate the lens back to the 0° position (so the 'up' indicator on the lens is aligned with the LED indicator on the camera, and the edge of the lens is flush with the body of the camera) before mounting, or removing the camera from a mount to reduce the risk of damage to the lens.

*The App is the perfect viewfinder when using the Stealth 2

Connectivity

Recorded video footage and photos can be copied to a computer using the USB cable provided or—if your computer has an appropriate card reader—directly from the micro WVGA card.

Connecting to a Windows PC by USB cable

1. Connect the camera to your PC using the USB cable—the camera screen will display a USB logo and the LED status indicator will blink red.
2. Your PC's operating system may be setup open new devices automatically; if not, open My Computer
3. Your PC should recognise the camera as a removable device—look for DRIFT CARD in the list of devices and open
4. Open the DCIM folder—inside, you will find the 100DRIFT folder which contains all the files saved on the memory card by the camera.

! If there are a very large numbers of files, there will be multiple folders (100DRIFT, 101DRIFT, etc)

5. Copy the desired files to your PC

Connecting to a Mac by USB cable

1. Connect the camera to your Mac using the USB cable—the camera screen will display a USB logo and the LED status indicator will blink red.
2. Your Mac's operating system may be setup open new devices automatically; if not, open a new Finder window
3. Your Mac should recognise the camera as a removable device—look for DRIFT CARD in the list of devices and open
4. Open the DCIM folder—inside, you will find the 100DRIFT folder which contains all the files saved on the memory card by the camera.

! If there are a very large numbers of files, there will be multiple folders (100DRIFT, 101DRIFT, etc)

5. Copy the desired files to your Mac

Connecting the camera to a TV

1. While the camera is turned off, connect it to your TV using a micro HDMI cable (not included)
2. Power on the camera
3. Once booted up, the image usually displayed on the camera's LCD screen will instead be displayed directly on your TV, and the sound will come out of the TV speakers
4. Press MODE to cycle through camera modes while connected to a TV.

Playing video on a computer

Some computers may not have the correct codecs required for video playback and editing.

If you experience difficulties playing video recorded with your camera, you can download VLC media player for free from **www.videolan.org**.

If you are experiencing difficulties editing video or do not wish to use VLC player for playback, you will need to download and install a codec pack. The FFDshow codec pack can be downloaded from **www.free-codecs. com/FFDshow_download.htm**.

Recommended System Requirements

To smoothly view and edit 1080p video, powerful hardware is required:

Windows

- 3.2 GHz Pentium 4 processor or higher
- At least 2GB of RAM
- Graphics card with at least 256MB of video RAM (512MB for video editing)
- Direct X 9.0c or later
- Microsoft Windows XP (SP2 or later), Windows Vista or Windows 7

Macintosh

- 2.2 GHz Intel Core Duo or higher
- At least 1GB of RAM
- Graphics Card with at least 256MB of video RAM (512MB for video edition)
- Mac OS X v10.4.11 or later

Conserving Battery

The Stealth 2 has an internal rechargeable 1500mAh Lithium-Ion battery, allowing you to record continuously for hours between charges.

LCD

The camera's LCD screen consumes power, so one of the best ways to extend battery life is to use the 'Backlight Timer' feature.

The camera will still function as normal when the screen backlight is off.

Camera Auto Off

It is possible to set the camera to power off entirely when no buttons are pressed for a number of minutes (the duration can be chosen selecting 'Camera Auto Off' from the Camera Settings menu). This can be useful to reduce battery consumption if the camera is accidently left powered on.

! The camera will not power off while recording is in progress. However, once the camera has powered off, you will need to power it on again before capturing any footage.

! The remote control will not operate the camera while the unit is powered off.

Updating Firmware

The Drift Stealth 2 should always be operated on the latest firmware available, downloadable from http://www.driftinnovation.com. Be sure to check back often for updates as we will continue to add features and options to your camera after you purchase it.

See p22 for information about the warranty and signing up.

Firmware updates on the Stealth 2 can be done by following steps:

Updating Firmware on the Stealth 2 is accomplished

1) Go to www.driftinnovation.comn and download the latest firmware file (''Stealth 2.bin'') which will be found easily in the Drift Stealth 2 section, or by navigating to 'Firmware' listed in the bottom footer of any page

2) Plug your Drift Stealth 2 unit into your computer (MAC or PC) using the supplied USB cable

3) Your camera should come up as an External Device with the ''Drift Card'' Micro SD card being visible as a storage device (*see connectivity p17*). Please copy the ''Stealth 2.bin'' firmware file into the root folder of the ''Drift Card'' Micro SD card

4) Safely eject your Drift Stealth 2 and Micro SD as a storage device from your computer

5) Power on the camera and wait for it to automatically update itself. You will get a "Firmware update in Progress" message, and the LED status indicator will blink red. This should take a few seconds and the camera will automatically power off after

6) The first time you start the camera it will display "wait for restart". This is normal and the camera is simply insatalling a Wi-Fi patch.

7) Turn the camera back on. Navigate to the settings menu and check the "Firmware Version" to ensure the firmware has been successfully updated

Camera Care

The Stealth 2 is specifically designed for extreme sports. It is a very durable piece of equipment. However, to ensure a long and healthy life for your camera, please follow the guidelines below.

Cleaning the camera

During your sporting activities, the camera will inevitably get dirty or wet. Although this is not an issue, it is recommended that you clean the camera after each use. Clean the camera thoroughly with a damp cloth and let it air dry before you open the back hatch or rotate the lens. Take extra care when cleaning the built-in microphone and speaker.

Cleaning the lens and LCD screen

In order to provide a clear image for high definition video, it is important to keep the camera lens clean. Be careful not to scratch the camera lens whilst cleaning it. Wipe off any surface mud or water from the lens with a damp cloth and use a dry, micro fibre, scratch proof cloth to polish the lens once it is dry.

Technical Specifications

Video resolution	1080p, 960p (4:3), 720p and WVGA (16:9)
File format	.MP4 (H.264 codec)
Sensor type	CMOS
Frame rate	1080P: 25 / 30 fps
	960p: 25 / 30 / 48 / 50 fps
	720p: 25 / 30 / 50 / 60 fps
	WVGA: 25 / 30 / 50 / 60 / 100 / 120 fps
Field of view	135°
Lens focal range	0.5m to infinity
Lens rotation	300°
Photo mode	3 / 5 / 12MP
Exposure	-2, -1, 0, 1, 2
LCD Screen	1.3" mono graphic backlit LCD
Weather Resistant	Yes
Microphone	Built-in, noise reducing microphone
Built-in memory	256MB (not user accessible)
Memory capacity	Micro SD memory cards up to 32GB
Outputs	Micro HDMI connector type D (cable not included)
	USB Plug and Play, mini-B USB connector
Compatibility	Windows XP and up / Mac OS 10.2 and up
Remote range (remote not included)	10 m (32ft)
Radio frequency	2.4G
Camera	Dimensions: 80 (L) × 41.9 (W) × 27.6 (D) mm
	Weight: 97g
	Power: 1500mAh rechargeable lithium-ion battery (built-in) (DC 3.7V)
Remote control (not included)	Dimensions: 59 (L) × 48 (W) × 12 (D) mm
	Weight: 22g
	Power: 350mAh rechargeable lithium-ion battery (DC 3.7V)

Warranty

Drift Innovation ("Manufacturer") warrants to the original End User ("Purchaser") that this product purchased from us or any authorized dealer is free from manufacturing defects in material and workmanship for the applicable warranty period, as set forth in the product specification, or 12 months—whichever is the less. Drift Innovation products purchased from non-authorized dealers might not be covered by the offered warranty. The warranty period is considered valid from the issue date confirmed on the sale invoice.

This limited warranty covers defects encountered in the normal use of the product during the warranty period and does not apply under the following conditions:

- Product is damaged due to physical abuse, mishandling, accident, negligence or failure to follow the supplied operating instructions;
- Product is physically modified by Purchaser in any manner other than that for which it was intended or otherwise previously approved by the Manufacturer;
- Product is damaged or has developed defects caused by the use of unauthorized parts or by an unauthorized repair service;
- The product has been subject to unsuitable operating or physical conditions outside those recommended in product specifications as provided by the Manufacturer;
- Product has it's serial numbers altered or removed
- Product is damaged due to improper packaging of the warranty return to the dealer or Manufacturer.

In the event of a product failure under normal use and within the warranty period, a repair or replacement will be provided at the discretion of the Manufacturer or the authorized dealer. The Manufacturer warranty does not cover loss, accidental damage or costs incurred during the handling and shipping of repairs or replacement products.

The Manufacturer shall have no liability or responsibility whatsoever to Purchaser or any other person for any loss, injury, death, or any damages derived from the use of the product or accessories.

Service

To obtain our warranty service, register your product at **driftinnovation.com**.

Customer Support

- Check **driftinnovation.com** for firmware updates, product updates and user videos.
- We are here to help you make the most of your Stealth 2 camera; if you have any suggestions, comments or complaints, please visit the support section of our website— **support.driftinnovation.com**—or contact our customer support team on **info@driftinnovation.com**.

Disclosures

FCC Information

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and;
2. This device must accept interference received, including interference that may cause undesired operation.

Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by powering the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and the receiver;
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected;
- Consult the dealer or an experienced radio / TV technician for help.

Industry Canada Information

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. This device may not cause interference, and;
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil s'accorde avec Industrie Canada licence-exempte RSS standard.

Son fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas causer l'intervention, et;
2. Cet appareil doit accepter de l'intervention, y compris l'intervention qui peut causer l'opération non désirée de.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

Cet appareil s'accorde avec Industrie Canada licence-exempte RSS standard.

FCC RADIATION EXPOSURE

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment . This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Motorcycle Disclaimer

Interacting with the camera while riding could cause a crash and you or others may be seriously injured or killed.

- Keep your eyes and mind on the road;
- Avoid looking at the camera for too long;
- Stop the vehicle in a safe location before adjusting the camera.