



MHD Sport 2.0 Wi-Fi®

Action Camera + Live View RF Wrist Remote



(PID 12570 only)

User's Manual
PID **12570/12571**

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SAFETY WARNINGS AND OPERATING GUIDELINES

- To prevent damage to internal components, do not store this device in excessively dusty, dirty, or sandy areas.
- Do not store this device in conditions of excessively high temperatures. Excessively high temperatures can shorten the life of electronic components, damage batteries, and warp or melt plastic parts. Do not store in direct sunlight.
- Do not store this device in conditions of excessively low temperatures. When the device warms up, moisture could form inside, which can short-circuit electronic components.
- Do not expose this device to excessive vibration.
- Test this device for proper operation before use.
- Do not open the battery cover or otherwise remove power when taking pictures or recording video. Doing so could cause a failure to save the image/video and/or corrupt other data on the microSD™ storage card.
- Remove the battery from the camera if it will go unused for a long period of time.
- To keep the battery fresh and capable of holding a full charge, it should be charged at least once every three (3) months.
- This device uses the commonly available SLB-10A Lithium-ion battery. Use only the battery that came with this device or an exact equivalent (**PID 11414**) or a suitable replacement. An extended battery pack and replacement waterproof case cover is also available (**PID 11421**), as is an AA battery pack with replacement case cover (**PID 11422**). PID numbers are subject to change.

- Do not short the battery terminals. Doing so could damage the battery and cause a potential fire hazard.
- Ensure that power is turned off and disconnected before making any electrical connections.
- This device has no user serviceable parts. Do not attempt to open, service, repair, or modify this device.
- Do not clean using harsh chemicals, detergents, or solvents. Clean only using a soft, lint-free cloth moistened with warm water.
- Do not drop this device or otherwise expose it to harsh or rough treatment, as doing so could cause damage to internal components and/or the waterproof case.
- The camera and other components are only waterproof when properly enclosed in the waterproof case. Do not otherwise subject this device to water or moisture of any kind. If the camera is exposed to moisture outside of the waterproof case or if water gets into the waterproof case, immediately remove the battery and allow the camera to thoroughly dry.
- The waterproof case is not dust-proof.
- The waterproof case is rated IP8X for depths up to 196 feet (60 meters) for up to 60 minutes. Do not take this device to depths greater than 196 feet (60 meters) or keep it underwater for more than 60 minutes.
- The waterproof case's waterproof properties apply only to fresh or salt water. Any other liquids should be flushed off with running tap water and then wiped off with a soft, dry, lint-free cloth.

- When using the camera in cold or humid environments, use the included anti-fog inserts to help prevent the build-up of moisture inside the waterproof case. Note that the anti-fog inserts can provide only a limited amount of moisture protection and must be replaced after each use.
- Physically inspect the waterproof case for cracks, scratches, or other damage prior to use. Do not use it if it shows signs of damage.
- Do not subject the waterproof case to water temperatures greater than +104°F (+40°C) or less than +32°F (0°C).
- Do not open the waterproof case in dusty, dirty, or sandy environments. Do not open the waterproof case near water. Do not open or close the waterproof case with wet hands.
- Prior to closing the waterproof case, carefully inspect the seal area for the presence of dust, dirt, sand, hair, or other foreign objects. Ensure the seal is free of all foreign objects prior to closing the case and using the product in or near water.
- Prior to opening the case after use, thoroughly rinse the case and external accessories in running tap water to remove any salt, sand, or other contaminants, then wipe the case dry and allow it to air dry for at least 10 minutes. Ensure the case is completely dry before opening it.
- After removing the camera from the waterproof case, soak the case in a bucket of clean tap water for about 10 minutes, remove it, wipe it dry with a soft, lint-free cloth, and then place it in a cool, dry place to allow it to dry naturally. Do not place it in direct sunlight.

INTRODUCTION

Thank you for purchasing this **MHD Sport 2.0 Wi-Fi® Action Camera** from Monoprice!

This camera allows you to capture full HD 1080p video at 60 fps, 720p video at 120 fps, and WVGA video at 240 fps. It can also be used to take still images up to 16 megapixels in size. When properly enclosed in the included waterproof case, it is waterproof to depths up to 196 feet (60 meter) for up to 60 minutes duration. It features a Wi-Fi connection, which allows you to view and record videos and photos on your Android™ or iOS® smartphone.

This camera is available in two models. PID 12570 includes the optional RF Wrist Remote, which allows you remotely operate up to six cameras and to view their live video feeds. PID 12571 does not include the optional RF Wrist Remote. Note that the portions of this manual that deal with the RF Wrist Remote are not applicable to PID 12571.

FEATURES

- Uses a 3.4mm *f*/2.8 lens
- Captures full HD 1080p video images at 60 fps, 720p at 120 fps, and WVGA at 240 fps
- Takes still photos at 5, 8, 12, or 16 megapixels resolution
- Uses the H.264 video codec and mp4 file format
- 140° wide angle lens with selectable fields of view
- Wi-Fi connectivity (IEEE 802.11b/g/n)
- Includes waterproof case, protecting the camera to depths up to 196 feet (60m) for up to 60 minutes duration
- Uses the commonly available SLB-10A Lithium-ion rechargeable battery
- Free apps for accessing the camera using your Android or iOS smartphone
- Includes RF Wrist Remote for control and live view (PID 12570 only)
- MicroSD card slot (up to 32GB, Class 6 minimum)
- HDMI® Mini Connector for direct connection to an HDTV
- Supports time lapse recording and interval shooting
- Burst mode captures 7 images in 1 second

MINIMUM SYSTEM REQUIREMENTS

The camera needs to connect to a PC with the following minimum system requirements for playback of full HD 1080p video at 30 fps and 720p video at 60 fps.

- Microsoft Windows® XP (SP2), Vista®, Windows 7, or Windows 8, or Apple Mac® OS X® 10.5.x or later
- Intel or AMD dual-core CPU or better
- Minimum 1GB RAM
- Video card running DirectX® 9 (DirectX 10 or 11 recommended)
- Available USB 1.1/2.0 port
- At least 2GB free hard drive space

CUSTOMER SERVICE

The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website (www.monoprice.com) during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at support@monoprice.com

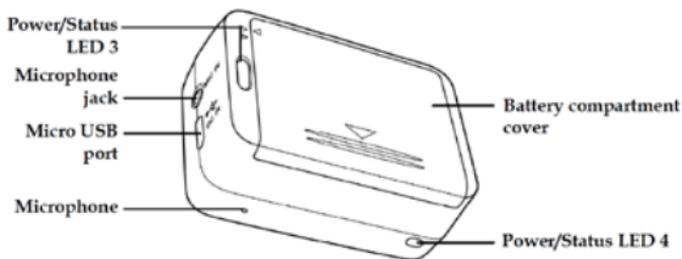
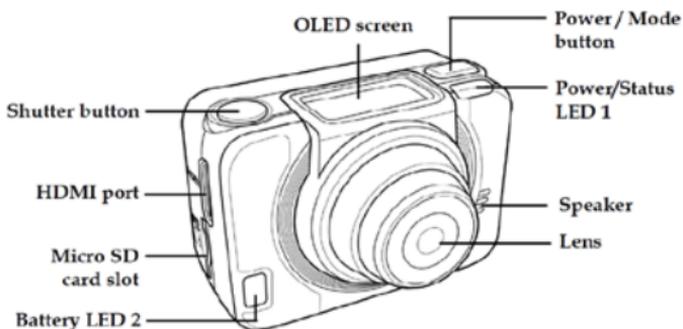
PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x MHD Sport 2.0 Wi-Fi Action Camera
- 1x Waterproof Case
- 1x RF Wrist Remote (PID 12570 only)
- 1x Vented Rear Door
- 1x Waterproof Case Rear Door (installed on back of Waterproof Case)
- 1x Flat Adhesive Mounting Socket
- 1x Curved Adhesive Mounting Socket
- 1x Swivel T Tip (installed on T Tip Adapter)
- 1x T Tip Adapter (installed on bottom of Waterproof Case)
- 1x Standard Tripod Adapter
- 1x Adhesive Anchor
- 1x SLB-10A Lithium-ion Battery
- 1x USB Wall Charger
- 1x Micro USB Charging Cable
- 1x RF Wrist Remote Charging Cable (PID 12570 only)
- 6x Anti-Fog Inserts (Fiber Desiccant)
- 1x Hook & Loop Strap
- 1x Security Tether
- 1x Safety Lock (installed on Swivel T Tip)
- 1x User's Manual

PRODUCT OVERVIEW

The following illustrations highlight the various camera features, indicators, controls, and connections:



The following illustration shows the locations of the buttons and charging port on the RF Wrist Remote. *Note that the RF Wrist Remote is only included with PID 12570.*



CAMERA BUTTON FUNCTIONALITY

Button	Functions
Power / Mode	<ul style="list-style-type: none">• Press and hold for 3 seconds to turn the camera ON or OFF.• Press to cycle through the camera's modes: Video, Photo, WiFi, Burst, Time Lapse, Self-Timer, and Set.• In Set mode, press to scrolls through the available menu items.
Shutter	<ul style="list-style-type: none">• In Video mode, press to start or stop video recording.• In Photo mode, press to take a photo.• In Set mode, press to select a menu item.

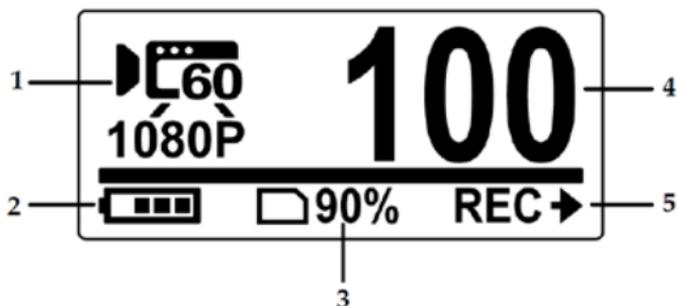
CAMERA LED INDICATORS

The camera has four LED indicators. There are three Power/Status LEDs on the top, bottom, and rear of the camera, allowing you to see the status from any angle.

LED	Color	Description
Power / Status	Solid Green	On for 3 seconds during startup and initialization
	Blinking Green	Taking photos Wi-Fi initial setup complete with connection in progress
	Blinking Red	Video recording in progress
	Rapidly Blinking Red	Self-Timer
Battery	Blinking Red	Battery is charging
	Off	Battery is fully charged or camera not plugged into charging source

THE OLED SCREEN

Whenever the camera is powered ON, the OLED screen displays information in the five areas shown in the illustration below.



Area 1 - Current Mode		
Icon	Name	Description
	Video Mode	Use this mode to record videos. The values on the icon indicate the current video recording settings (resolution and frame rate).
	Photo Mode	Use this mode to capture still photos. The value on the icon indicates the current photo capture setting (megapixels).

	<p>Wi-Fi Mode</p>	<p>Select this mode to connect the camera to a smartphone using a Wi-Fi connection. With Wi-Fi mode enabled, videos and photos on the microSD card can be viewed on your smartphone.</p>
	<p>Burst Mode</p>	<p>Use this mode to capture 7 photos over a period of 1 second with only a single press of the Shutter button.</p>
	<p>Time Lapse Mode</p>	<p>Use this mode to capture a series of still photos at specific time intervals. To start capturing photos, press the Shutter button once. Press the Shutter button again to cease capturing images. The time interval can be set to 1, 3, 5, 10, 30, or 60 seconds.</p>
	<p>Self-Timer Mode</p>	<p>Use this mode to capture a photo a set period of time after pressing the Shutter button. You can set the timer for either a 2 or 10 second delay.</p>
	<p>Set Mode</p>	<p>Use this mode to adjust the various camera settings.</p>

Area 2 - Battery Status

Icon	Name	Description
	Battery Capacity	Indicates the approximate charge level of the installed battery. The number of level bars inside the icon represent 25%, 50%, 75%, or 100% charge level.

Area 3 - Storage Capacity

Icon	Name	Description
	Storage Capacity	The number indicates the approximate percentage of available storage capacity remaining on the microSD card.

Area 4 - File Count

Icon	Name	Description
100	File Count	The three digit number indicates the total number of photo and video files stored on the microSD card.

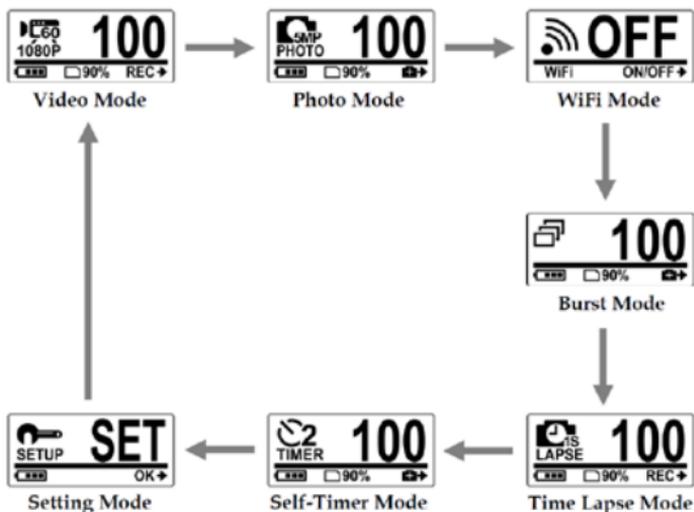
Area 5 - Button Functions

Icon	Name	Description
REC →	Record	<p>When in <i>Video</i> mode, press the Shutter button to begin recording a video.</p> <p>When in <i>Time Lapse</i> mode, press the Shutter button to begin capturing photos.</p> <p>While recording videos or capturing photos in <i>Time Lapse</i> mode, the label changes to STOP. Press the Shutter button again to stop recording/capturing photos.</p>

	<p>Capture</p>	<p>When in <i>Photo</i> mode, press the Shutter button to capture a photo.</p> <p>When in <i>Burst</i> mode, press the Shutter button to capture a series of 7 photos over a period of 1 second.</p> <p>When in <i>Self-Timer</i> mode, press the Shutter button to capture a photo after the specified delay.</p>
<p>ON →</p>	<p>Wi-Fi On/Off</p>	<p>When in <i>Wi-Fi</i> mode, press the Shutter button to toggle <i>Wi-Fi</i> mode ON or OFF. Note that the icon actually reads ON/OFF.</p>
<p>OK →</p>	<p>Confirm</p>	<p>When in <i>Set</i> mode, press the Shutter button to enter the <i>Set</i> menu and to select the highlighted menu item.</p>
<p>← SEL</p>	<p>Select</p>	<p>When in <i>Set</i> mode, press the Power/Mode button to cycle the selection highlight through the available menu items.</p>

CHANGING MODES

With the camera powered ON, press the **Power/Mode** button to cycle through the seven different modes. The cycle order is shown in the illustration below.



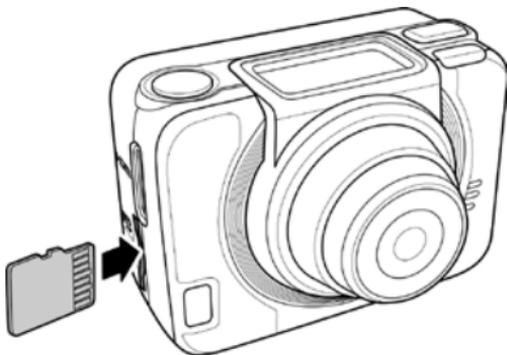
GETTING STARTED

This section includes information related to basic camera operation, setup, and maintenance functions.

Installing the microSD Card

A microSD card is required to capture and store photos and videos. The camera supports microSDHC cards with capacities up to 32GB and a minimum Class 6 rating.

1. Ensure that the camera is powered OFF.
2. Insert the microSD card into the card slot on the side of the device with the gold contacts on the card facing the front of the camera, as shown in the illustration below.



3. Push the microSD card into the slot until it clicks into place.

Warning! To avoid data corruption and/or damage to the microSD card, do not remove it while data is being recorded or saved. Always power the camera OFF before inserting or removing the microSD card.

Removing the MicroSD Card

1. Ensure that the camera is powered OFF.
2. Using your fingertip or fingernail, gently push on the edge of the microSD card to release the catch and partially eject the card.
3. Gently remove the microSD card from the card slot.

Warning! To avoid data corruption and/or damage to the microSD card, do not remove it while data is being recorded or saved. Always power the camera OFF before inserting or removing the microSD card.

Installing the Battery

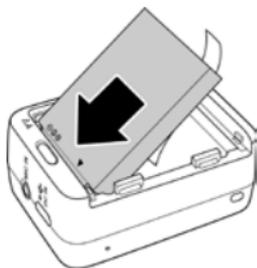
Warning! Use only the battery that came with this device, an exact equivalent (PID 11414), or a suitable replacement. An extended battery pack and replacement waterproof case cover is also available (PID 11421), as is an AA battery pack with replacement case cover (PID 11422). PID numbers are subject to change.

1. While grasping the camera with one hand, press your thumb on the bottom edge of the battery compartment cover and pull to release the cover, as shown in the illustration to the right. Lift the cover off the battery compartment.



2. Ensure that the nylon ribbon inside the battery compartment is extended out the side of the battery compartment opposite the battery contacts.

3. Align the contacts on the battery with the contacts inside the battery compartment, then press down on the opposite side, while ensuring that the end of the ribbon can be grasped, as shown in the illustration to the right.



4. Fold the end of the ribbon back over the battery so that it does not protrude out of the battery compartment.

5. Place the battery compartment cover over the battery compartment, while ensuring that the end of the ribbon does not protrude out of the battery compartment. Push the battery compartment cover until it snaps into place, as shown in the illustration to the right.



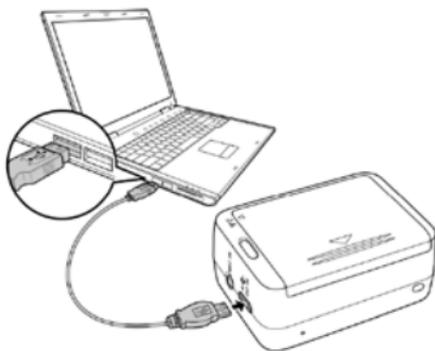
Removing the Battery

1. Ensure that the camera is powered OFF.
2. While grasping the camera with one hand, press your thumb on the bottom edge of the battery compartment cover and pull to slide it off, as shown in the illustration in the previous section.
3. Grasp the end of the ribbon and pull it to release the battery from the battery compartment.

Charging the Battery Using a Computer

1. Ensure that the camera is powered OFF. The computer can be powered ON.
2. If you have not already done so, install the battery using the instructions above.
3. Plug the included micro USB cable into the micro USB charging port on the camera.
4. Plug the other end of the cable into an available USB port on your computer.

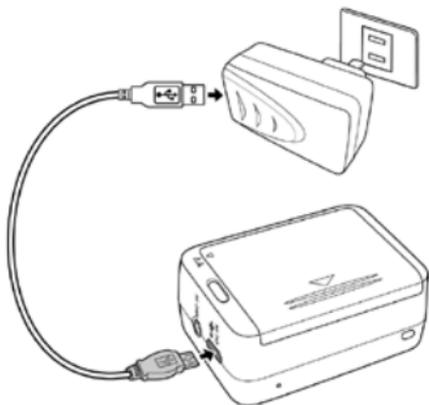
Note that charging times using a computer will usually be longer than those using the included USB wall charger.



Charging the Battery Using the USB Wall Charger

1. Ensure that the camera is powered OFF.
2. If you have not already done, install the battery using the instructions above.
3. Plug the included micro USB cable into the micro USB charging port on the camera.
4. Plug the other end of the cable into the included USB wall charger.
5. Plug the USB wall charger into a nearby power outlet.

Note that charging time using the included USB wall charger is approximately 240 minutes for a fully depleted battery. Charging times depend on the battery's charge level and the charging current of the USB port. A computer's USB port typically produces 500mA of charging current, while the included USB wall charger produces 1000mA of charging current.



Powering the Camera ON and OFF

With the camera powered OFF, press and hold the **Power/Mode** button for 3 seconds to power the camera ON. The Power/Status LEDs will illuminate solid green for about 3 seconds, then will turn off.

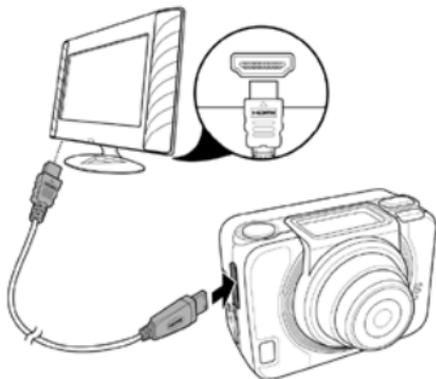
With the camera powered ON, press and hold the **Power/Mode** button for 3 seconds to power the camera OFF.



Connecting to an HDTV Using an HDMI Cable

You can connect the camera directly to an HDTV using a High Speed HDMI Cable with an HDMI Mini Connector (not included) to use the television as the camera's viewfinder. To do so, perform the following steps:

1. Ensure that both the camera and the display are powered OFF.
2. Plug one end of a High Speed HDMI Cable into the HDMI Mini Connector port on the side of the camera.
3. Plug the other end of the cable into an available HDMI port on your display.
4. Power the television ON.
5. Change the video input selection on your TV to the HDMI port you connected the camera to.
6. Power the camera ON.

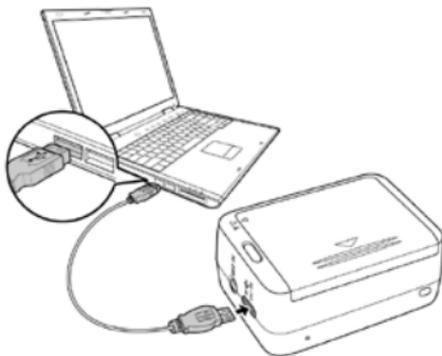


Connecting to a Computer

You can connect the camera to a Windows or Mac OS X based computer to access the photos and videos stored on the microSD card. To do so, perform the following steps:

1. Ensure that the camera is powered OFF. The computer can be powered ON.
2. Plug one end of the included micro USB cable into the micro USB port on the camera.
3. Plug the other end of the micro USB cable into an available USB port on your computer.
4. If this is the first time you have connected the camera to your computer, it will automatically install the required driver files to access the camera's internal storage.
5. Use your file browser to navigate the files stored on the camera's microSD card. You can view the files directly or back them up to local storage.

Note that the camera does not need to be powered ON to allow access to the files on the microSD card.



Connecting An External Microphone

The camera has a built-in microphone, which adds audio to your video recordings. You can use an external microphone to improve the ability to pick up audio. To do so, simply plug a microphone into the external microphone jack.

Note that the external microphone jack is a 2.5mm TRS type. Unless your microphone is equipped with a 2.5mm plug, you will need a 3.5mm to 2.5mm plug adapter (not included), such as PID 7124.

CAMERA SETTINGS

With the camera powered ON, press the **Power/Mode** button until the *Set* mode is displayed. Press the **Shutter** button to display the menu screen to the right. Use the **Power/Mode** button to cycle between the *Setup* and *More* menu options.

Press the **Shutter** button to enter either menu.

The following tables list the options available in each menu and the basic functionality of the two buttons.



Setup Menu		
Icon	Name	Description
	Video	Select this menu option to adjust the video recording settings (resolution, frame rate, field of view).
	Photo	Select this menu option to adjust the photo capture settings (megapixels, field of view).
	Self-Timer	Select this menu option to set the Self-Timer delay (2 or 10 seconds).
	Time Lapse	Select this menu option to set the interval between capturing photos in Time Lapse mode (1 , 3 , 5 , 10 , 30 , or 60 seconds).

	Up/Down	Select this menu option to enable or disable inverted operation. This is useful when the camera is mounted upside down.
	Loop	Select this menu option to enable or disable the Loop recording function.
	Delete	Select this menu option to delete recorded files or to format the microSD card.
	Exit	Select this menu option to exit the Setup menu.

More Menu

Icon	Name	Description
	Up/Down	Select this menu option to invert the OSD display.
LED	LED	Select this menu option to enable or disable the Power/Status LEDs. Note that the Power/Status LED will still illuminate solid green for 3 seconds after the camera is powered ON and the Battery Status LED will still indicate when the battery is being charged.
	Bright	Select this menu option to adjust the OLED screen brightness.
	Beep	Select this menu option to adjust the beep volume level of the audible beep that sounds when any button is pressed.
	Auto-Off	Select this menu option to set the amount of time that must elapse without button activity before the camera automatically powers OFF.

	Time	Select this menu option to set the camera's internal date and time.
RF	RF	Select this menu option to pair the camera with the RF Wrist Remote (PID 12570 only).
	Default	Select this menu option to reset all camera settings back to the values they had when it shipped from the factory.
	Exit	Select this menu item to exit the More menu.

Power/Mode Button

Icon	Name	Description
←SEL	Select	Press the Power/Mode button to cycle through the menu items.

Shutter Button

Icon	Name	Description
OK→	Confirm	Press the Shutter button to confirm the highlighted menu selection or setting.

Changing the Video Settings

This camera supports Dual Stream recording. Each time a video is recorded, the camera saves a normal sized .mp4 file and a smaller one, for streaming to your smartphone. The camera supports nine different resolution, frame rate, and field of view combinations for recording videos. Perform the following steps to change the Video settings:

1. Power the camera ON.



2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.

3. Press the **Shutter** button to enter the *Set* mode menu.



4. Press the **Shutter** button again to enter the *Setup* menu.

5. Press the **Shutter** button one more time to enter the *Video* menu.



6. Press the **Power/Mode** button repeatedly until the desired Resolution/FPS setting is highlighted.

7. Press the **Shutter** button to confirm selection of the highlighted video setting.

8. Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.



9. Press the **Shutter** button to exit *Set* mode.

The following table shows the icons and settings details for the nine different video settings.

Icon	Resolution	Aspect Ratio	Frame Rate	Field of View
	1920x1080 (1080p)	16:9	60fps	Normal 126°
	1920x1080 (1080p)	16:9	30fps	Ultra Wide 126°
	1920x1080 (1080p)	16:9	30fps	Wide 102°
	1920x1080 (1080p)	16:9	30fps	Narrow 75°
	1280x960 (960p)	4:3	60fps	Normal 126°
	1280x960 (960p)	4:3	30fps	Normal 102°
	1280x720 (720p)	16:9	120fps	Normal 140°
	1280x720 (720p)	16:9	60fps	Normal 140°

	848x480 (WVGA)	16:9	240fps	Normal 140°
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Changing the Photo Settings

Perform the following steps to change the Photo settings:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
 
3. Press the **Shutter** button to enter the *Set* mode menu.
 
4. Press the **Shutter** button again to enter the *Setup* menu.
5. Press the **Power/Mode** button repeatedly to move the highlight to the *Photo* icon.
 
6. Press the **Shutter** button to enter the *Photo* menu.
7. Press the **Power/Mode** button repeatedly to cycle through the available photo resolution settings until the highlight is on the one you want to use. The available resolution options are: 16MP, 12MP, 8MP, and 5 MP.
 
8. Press the **Shutter** button to confirm selection of the highlighted photo resolution setting.

9. Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.



10. Press the **Shutter** button to exit *Set* mode.

The following table shows the specific 4:3 photo resolution and the size of the field of view for each of the four different photo settings.

Megapixels	4:3 Resolution	Field of View
16MP	4632x3488	142°
12MP	4000x3000	118°
8MP	3264x2446	93°
5MP	2592x1944	73°

Changing the Time Lapse Settings

You can change the type of capture and the interval between captures in *Time Lapse* mode by performing the following steps:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Shutter** button again to enter the *Setup* menu.



5. Press the **Power/Mode** button repeatedly to move the highlight to the *Lapse* icon.



6. Press the **Shutter** button to enter the *Lapse* menu.
7. Press the **Power/Mode** button repeatedly to highlight the *Lapse Mode* icon.



*Note: Alternatively, if you enter the menu and do not want to make any changes, press the **Power/Mode** button until the Exit menu item is highlighted, then press the **Shutter** button to exit the Lapse menu.*

8. Press the **Shutter** button to enter the *Lapse Mode* menu.
9. Press the **Power/Mode** button repeatedly to move the highlight to the capture mode you want to use. You can select either *Video* or *Photo* mode.



Note: In Video mode, the camera will record a single video file composed of still images captured at the specified interval. In Photo mode, the camera will create multiple still image files captured at the specified interval.

10. Press the **Shutter** button to confirm selection of the highlighted *Lapse Mode*.



11. Press the **Power/Mode** button repeatedly to move the highlight to the *Lapse* icon.

12. Press the **Shutter** button to enter the *Lapse* menu.

13. Press the **Power/Mode** button repeatedly to highlight the *Lapse Time* icon.



14. Press the **Shutter** button to enter the *Lapse Time* menu.

15. Press the **Power/Mode** button repeatedly to cycle through the available time intervals until the interval you want to use is displayed. You can set the time interval to **1, 3, 5, 10, 30, or 60** seconds.



16. Press the **Shutter** button to confirm selection of the displayed *Lapse Time* interval.

17. Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.



18. Press the **Shutter** button to exit *Set* mode.

Changing the Self-Timer Delay

Perform the following steps to change the shutter delay for the Self-Timer mode:

1. Power the camera ON.



2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.

3. Press the **Shutter** button to enter the *Set* mode menu.



4. Press the **Shutter** button again to enter the *Setup* menu.

5. Press the **Power/Mode** button repeatedly to move the highlight to the *Timer* icon.



6. Press the **Shutter** button to enter the *Timer* menu.

7. Press the **Power/Mode** button repeatedly to cycle through the available timer delay settings until the highlight is on the one you want to use. The available timer delay settings are **2** seconds and **10** seconds.



8. Press the **Shutter** button to confirm selection of the highlighted timer delay setting.

9. Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.



10. Press the **Shutter** button to exit *Set* mode.

Changing the Camera's Orientation (Up/Down)

This camera's orientation can be swapped so that it captures images and records video with the correct orientation when the camera is mounted upside down. Perform the following steps to change the orientation:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Shutter** button again to enter the *Setup* menu.



5. Press the **Power/Mode** button repeatedly to move the highlight to the *Up/Down* icon.
6. Press the **Shutter** button to enter the *Up/Down* menu.
7. Press the **Power/Mode** button repeatedly to highlight the OFF or ON option. When set to OFF, the camera will capture normally, while when set to ON, it will record video and capture photos inverted 180° from normal, allowing the camera to be mounted upside down.



Note: The WVGA video resolution does not support inverted capture.

8. Press the **Shutter** button to confirm your selection.

9. Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.



10. Press the **Shutter** button to exit *Set* mode.

Loop Mode

Loop Mode is a video recording feature in which the camera continuously records a series of video files, automatically deleting old files when it needs space for new files. This is the standard recording method for video surveillance, ensuring that you always have the ability to review events that recently occurred. There are several limitations and functions that are in effect when Loop Mode is enabled:

- You can only record Loop video with the 1080p30 setting.
- Files recorded while in Loop Mode are named LOOPxxxx, where xxxx is a sequential number.
- You can only enable Loop Mode when at least 800MB of storage space is available on the microSD card or if there is less than 800MB available space and there are sufficient LOOPxxxx files that can be deleted to make at least 800MB free space available.
- Whenever Loop Mode is enabled, the OLED display is limited to the Loop Mode and Set pages. Further, the Settings menu is limited to the *Loop Mode ON/OFF* settings, the *Up/Down* settings for inverted operation, and the *Delete All* function.
- Whenever Loop Mode is enabled and you select the *Delete All* function, only the LOOPxxxx files will be deleted.

Perform the following steps to enable or disable Loop Mode:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Shutter** button again to enter the *Setup* menu.



5. Press the **Power/Mode** button repeatedly to move the highlight to the *Loop* icon.



6. Press the **Shutter** button to enter the *Loop* menu.
7. Press the **Power/Mode** button repeatedly to highlight the OFF or ON option.



8. Press the **Shutter** button to confirm your selection.

Deleting Files and Formatting the MicroSD Card

The Delete menu allows you to delete individual files from the microSD card, delete all files on the card, or format the card, which also deletes all files. Perform the following steps to perform one of the Delete functions:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Shutter** button again to enter the *Setup* menu.



5. Press the **Power/Mode** button repeatedly to move the highlight to the *Delete* icon.



6. Press the **Shutter** button to enter the *Delete* menu.
7. Press the **Power/Mode** button repeatedly to move the highlight to one of the Delete functions, as shown in the following table, or the *Exit* menu icon, if you do not want to delete any files.

Icon	Description
	<p>Select this option to delete the "last" file on the microSD card. The "last" file is the file with the most recent time/date. You can repeatedly select this function and it will continue to delete the newest file on the card.</p>
	<p>Select this option to delete all existing video and photo files on the microSD card. Note that if Loop Mode is enabled, this function will delete all LOOPxxxx files only, leaving all other video and photo files intact.</p>
	<p>Select this option to format the installed microSD card. Note that formatting the card will delete all files and directory structures on the card, not just those created by the camera.</p>

8. Press the **Shutter** button to confirm your selection.
9. If you selected one of the *Delete* functions, rather than the *Exit* menu function, you will be shown the menu to the right, asking for confirmation of your selection. Repeatedly press the **Power/Mode** button to move the highlight to the ✓ icon.


10. Press the **Shutter** button to confirm your selected *Delete* action.
11. Repeat steps 7-10 above as many times as desired.

- When you have no further *Delete* actions to perform, repeatedly press the **Power/Mode** button to move the highlight to the *Exit* menu icon.



- Press the **Shutter** button to exit the *Setup* menu.
- Press the **Power/Mode** button repeatedly until the *Exit* menu option is highlighted.
- Press the **Shutter** button to exit *Set* mode.

Changing the OLED Display Orientation

You can change the orientation of the OLED (OSD) display so that you can read it properly with the camera lens either facing towards or away from you. Perform the following steps to change the orientation of the display:

- Power the camera ON.
- Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



- Press the **Shutter** button to enter the *Set* mode menu.
- Press the **Power/Mode** button once to move the highlight to the *More* entry.
- Press the **Shutter** button to enter the *More* menu.



- Press the **Shutter** button again to select the *OSD* icon and enter the *Up/Down* menu.



7. Repeatedly press the **Power/Mode** button to move the highlight to one of the two orientations. The orientation on the left makes the OLED readable when the camera lens is facing towards you, while the one on the right makes the OLED readable when the camera lens is facing away from you, just as the icons would indicate.



8. Press the **Shutter** button to confirm your selection.
9. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.



10. Press the **Shutter** button to exit the *Set* menu.

Changing LED Indications

You can choose to use the camera with the LED indicators either On or Off. When turned off, the Power/Status LEDs will not indicate when recording video or capturing photos. However, the Power/Status LED next to the **Power/Mode** button will still briefly glow green upon power up and the battery LED will still blink while the battery charge level is low or it is being charged. Perform the following steps to turn the LED indicators On or Off:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.



4. Press the **Power/Mode** button once to move the highlight to the *More* entry.



5. Press the **Shutter** button to enter the *More* menu.

6. Press the **Power/Mode** button repeatedly to move the highlight to the *LED* icon.



7. Press the **Shutter** button to enter the *LED* menu.

8. Press the **Power/Mode** button repeatedly to highlight the OFF or ON option.



9. Press the **Shutter** button to confirm your selection.

10. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.



11. Press the **Shutter** button to exit the *Set* menu.

Changing the OLED Brightness Level

Perform the following steps to change the brightness level of the OLED (OSD) menu:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.



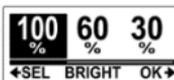
4. Press the **Power/Mode** button once to move the highlight to the *More* entry.
5. Press the **Shutter** button to enter the *More* menu.



6. Press the **Power/Mode** button repeatedly to move the highlight to the *OSD Bright* icon.



7. Press the **Shutter** button to enter the *OSD Bright* menu.
8. Press the **Power/Mode** button repeatedly to highlight the desired brightness level. You can set the brightness to **100%**, **60%**, or **30%** levels.



9. Press the **Shutter** button to confirm your selection.
10. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.



11. Press the **Shutter** button to exit the *Set* menu.

Changing the Audible Beep Volume Level

Normally, whenever you press any button, the camera will respond with an audible beep. Perform the following steps to change the volume level or to disable the beep altogether:

1. Power the camera ON.



2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.

3. Press the **Shutter** button to enter the *Set* mode menu.

4. Press the **Power/Mode** button once to move the highlight to the *More* entry.



5. Press the **Shutter** button to enter the *More* menu.

6. Press the **Power/Mode** button repeatedly to move the highlight to the *Beep* icon.



7. Press the **Shutter** button to enter the *Beep* menu.

8. Press the **Power/Mode** button repeatedly until the desired Beep volume level is highlighted. You can set the volume level to **100%**, **60%**, or to turn it **Off** entirely.



9. Press the **Shutter** button to confirm your selection.

10. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.



11. Press the **Shutter** button to exit the *Set* menu.

Changing the Auto-Off Time

To conserve battery life, you can set the camera to automatically power off after a defined period of inactivity. Perform the following steps to change the amount of time for the Auto-Off function:

1. Power the camera ON.

2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



3. Press the **Shutter** button to enter the *Set* mode menu.

4. Press the **Power/Mode** button once to move the highlight to the *More* entry.



5. Press the **Shutter** button to enter the *More* menu.

6. Press the **Power/Mode** button repeatedly to move the highlight to the *Auto-Off* icon.



7. Press the **Shutter** button to enter the *Auto-Off* menu.

8. Press the **Power/Mode** button repeatedly until the desired period of camera inactivity before it automatically shuts off is displayed. You can choose **1**, **3**, **5**, **10**, **30**, or **60** minutes, or to turn the function off entirely.



9. Press the **Shutter** button to confirm your selection.



10. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.

11. Press the **Shutter** button to exit the *Set* menu.

Changing the Date and Time

Perform the following steps to change the camera's internal clock:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Power/Mode** button once to move the highlight to the *More* entry.

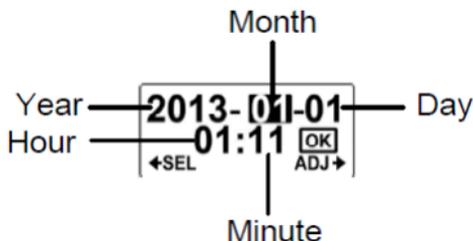


5. Press the **Shutter** button to enter the *More* menu.
6. Press the **Power/Mode** button repeatedly to move the highlight to the *Time* icon.



7. Press the **Shutter** button to enter the *Time* menu.

8. Use the **Power/Mode** button to move the highlight to the different elements of the date/time display. Use the **Shutter** button to increment the highlighted date/time element. The elements are identified in the illustration below:



9. When you are finished editing the date and time, press the **Power/Mode** button repeatedly until the *OK* button is highlighted.
10. Press the **Shutter** button to save the date and time you set.
11. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.
12. Press the **Shutter** button to exit the *Set* menu.



Restoring the Factory Default Settings

Perform the following steps to reset all of the camera's settings to the values they were at when the camera was shipped from the factory:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Power/Mode** button once to move the highlight to the *More* entry.
5. Press the **Shutter** button to enter the *More* menu.
6. Press the **Power/Mode** button repeatedly to move the highlight to the *Default* icon.
7. Press the **Shutter** button to enter the *Default* menu.
8. Repeatedly press the **Power/Mode** button to move the highlight to the ✓ icon.
9. Press the **Shutter** button to confirm your selection.
10. Repeatedly press the **Power/Mode** button until the *Exit* menu option is highlighted.
11. Press the **Shutter** button to exit the *Set* menu.



OPERATION

Recording Videos

This camera supports Dual Stream recording. Each time a video is recorded, the camera saves a normal sized .mp4 file and a smaller one, for streaming to your smartphone. Perform the following steps to start recording a video:

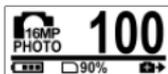
1. Power the camera ON.
2. If you want to change the video resolution and frame rate settings, perform the steps in the *Change the Video Settings* section above.
3. By default, the camera starts in *Video* mode. Press the **Shutter** button to start recording.
4. Press the **Shutter** button to stop recording.



Capturing Photos

Perform the following steps to capture individual still images:

1. Power the camera ON.
2. If you want to change the photo resolution and field of view settings, perform the steps in the *Change the Photo Settings* section above.
3. Repeatedly press the **Power/Mode** button until the *Photo* mode is displayed.
4. Press the **Shutter** button to capture a photo.



Capturing Burst Photos

Burst mode allows you to capture a series of seven photos over a period of one second with only a single press of the Shutter button. Perform the following steps to capture a burst of seven photos:

1. Power the camera ON.
2. If you want to change the photo resolution and field of view settings, perform the steps in the *Change the Photo Settings* section above.
3. Repeatedly press the **Power/Mode** button until the *Burst* mode is displayed.
4. Press the **Shutter** button to capture a burst of seven photos.

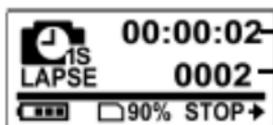


Capturing Time Lapse Videos and Photos

The Time Lapse mode allows you to capture a series of still images at a specified interval of time. This is useful for viewing the progress of long-term projects or operations within a short period of time.

Time Lapse mode can be configured to capture the images into a single video file for easy viewing or to individual photo files, which can be viewed individually or used to create a video using third party video editing software (not included). The time interval can be set to 1, 3, 5, 10, 30, or 60 seconds.

1. Power the camera ON.
2. If you want to change the photo resolution and field of view settings, perform the steps in the *Change the Photo Settings* section above.
3. If you want to change the time lapse interval or mode, perform the steps in the *Changing the Time Lapse Settings* section above.
4. Repeatedly press the **Power/Mode** button until the *Time Lapse* mode is displayed.
5. Press the **Shutter** button to begin capturing Time Lapse images. While recording is in progress, the screen will display the elapsed time and the number of video frames or photos captured.



Recording time

Number of recorded frames

6. Press the **Shutter** button to stop recording.

Capturing Photos Using the Self-Timer

The self-timer allows you to capture a photo after a short delay. This gives you time to move into the field of view so that you can be included in the captured photo. Perform the following steps to capture a photo using the Self-Timer:

1. Power the camera ON.
2. If you want to change the photo resolution and field of view settings, perform the steps in the *Change the Photo Settings* section above.
3. If you want to change the delay time, perform the steps in the *Changing the Self-Timer Delay* section above.
4. Repeatedly press the **Power/Mode** button until the *Self-Timer* mode is displayed.
5. Press the **Shutter** button to start the Self-Timer. The photo will be captured after the specified time interval has elapsed.



Loop Recording

The Loop Recording feature allows you to continuously record a series of 1 minute long videos. Once the microSD card gets filled to within 800MB of its total capacity, the camera will automatically delete older Loop files, so that it can continue recording. This mode is very similar in operation to a video surveillance system and allows you to review recent events. Perform the following steps to begin Loop Recording:

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.



3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Shutter** button again to enter the *Setup* menu.



5. Press the **Power/Mode** button repeatedly to move the highlight to the *Loop* icon.



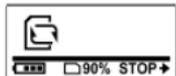
6. Press the **Shutter** button to enter the *Loop* menu.
7. Press the **Power/Mode** button repeatedly to highlight the ON option.



8. Press the **Shutter** button to confirm your selection.
9. Press the **Shutter** button to begin Loop Recording.



10. Press the **Shutter** button to stop recording.



WIRELESS OPERATION

You can use the Wi-Fi connection to view or record videos and photos from the camera using your Android or iOS smartphone. Perform the following steps to connect the camera with your smartphone:

1. If you have not already done so, go to the AppStore (iOS) or the Google Play™ store (Android) and install the free **ActionCam!** app on your phone.
2. Power the camera ON.
3. Repeatedly press the **Power/Mode** button until the *Wi-Fi* mode is displayed.
4. Press the **Shutter** button to toggle Wi-Fi mode from OFF to ON.
5. Press the **Power/Mode** button to exit the *Wi-Fi* mode screen. The display will switch back to the *Video* mode, the Power/Status LED will glow green, and the display will show "WiFi Init...". This will continue until the Wi-Fi radio has finished initializing, which can take up to 30 seconds. When initialization is complete, the display will return to the normal *Video* mode display and the Power/Status LED will blink slowly, indicating that it is waiting for a connection.
6. On your phone, open the Wi-Fi settings and look for a Wi-Fi network named *ActionCam_xxxxxx*, where *xxxxxx* is a unique identifier. Connect to the **ActionCam_xxxxxx** network.
7. When prompted for a password, enter **1234567890**.
8. Open the **ActionCam!** app on your phone to view or record videos and photos from the camera on your phone.



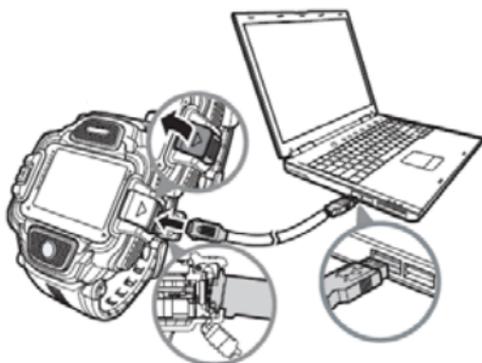
THE RF WRIST REMOTE

PID 12570 includes an RF Wrist Remote, which allows you to remotely control up to six cameras and to view their live video feeds. Note that PID 12571 does NOT include the RF Wrist Remote, so this section of the manual does not apply to PID 12571.

Charging the Wrist Remote Battery

Perform the following steps to charge the battery in the RF Wrist Remote:

1. Depress the raised edge of the plastic tab that holds the charging port cover in place.
2. Pull the top edge of the rubber charging port cover to reveal the charging port.
3. While continuing to hold the plastic tab open, place the lower edge of the charging cable plug over the metal retaining tab, then tilt the plug until it seats inside the connector.



4. Release the plastic tab to lock the cable in place. Gently tug on the connector to ensure that it is locked into place.
5. Plug the USB end of the charging cable into a computer USB port or into the USB port of the included wall charger. If using the wall charger, plug the charger into a nearby power outlet.

While the RF Wrist Remote is charging, a charge level indicator is displayed on its screen. If the display is sleeping, press any button to display the charging progress.

Pairing the Camera with the RF Wrist Remote

The RF Wrist Remote can be paired with up to six different cameras. Perform the following steps to pair the camera with the RF Wrist Remote (PID 12570 only):

1. Power the camera ON.
2. Press the **Power/Mode** button repeatedly until the *Set* mode is displayed.
3. Press the **Shutter** button to enter the *Set* mode menu.
4. Press the **Power/Mode** button once to move the highlight to the *More* entry.
5. Press the **Shutter** button to enter the *More* menu.
6. Press the **Power/Mode** button repeatedly until the *RF Binding* icon is highlighted.

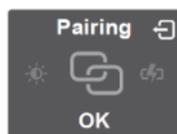


7. Press the **Shutter** button to put the camera in *Pairing* mode. The display will cycle back and forth between the two icons shown in the illustration to the right, indicating that the camera is searching for the RF wrist remote.



8. Press the **Mode** button on the RF wrist remote to switch to *Live View/Preview* mode.
9. Press and hold the **Set** button on the RF wrist remote for about 3 seconds to enter *Set* mode.

10. Repeatedly press the **Right** or **Left** button on the RF wrist remote until the *Pairing* option is displayed.



11. Press the **Video** button on the RF wrist remote to enter the pairing menu.

12. Repeatedly press the **Right** or **Left** button on the RF wrist remote until the desired camera entry is highlighted. The RF wrist remote can be paired with up to six different cameras.



13. Press the **Video** button on the RF wrist remote to begin the pairing process.

14. When pairing is complete, press the **Set** button on the RF wrist remote twice to return to the *Live View/Preview* mode.



15. Repeatedly press the **Power/Mode** button on the camera until the *Exit* menu icon is highlighted.

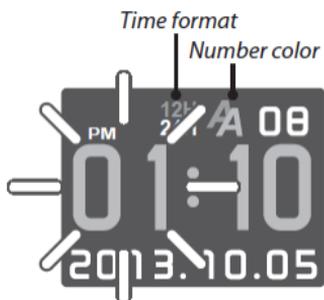


16. Press the **Shutter** button on the camera to exit the *Set* menu.

Setting the Date and Time

In addition to acting as a controller and live view monitor for the camera, the RF Wrist Remote also serves as a time piece with alarm, stopwatch, and countdown timer. Perform the following steps to set the date and time:

1. Press the **Mode/Sleep** button repeatedly until the time is displayed.
2. Press and hold the **Set** button for about 3 seconds. The Hour portion of the time display will begin blinking.
3. Use the **Video** and **Photo** buttons to adjust the blinking value up or down. The **Video** button increases the value, while the **Photo** button decreases it.
4. Use the **Left** and **Right** buttons to change which portion of the display is blinking.



Note that you can set the watch for 12-hour or 24-hour mode. You can also change the color of the time display.

5. Once you have completed editing the time and date, press the **Set** button to save the changes.

Using the Stopwatch Function

The RF Wrist Remote includes a stopwatch function, with the ability to display up to 12 split/lap times. Perform the following steps to use the remote as a stopwatch:

1. Press the **Mode/Sleep** button repeatedly until the time is displayed.
2. Press the **Left** button repeatedly until the *Stopwatch* mode is displayed, as shown in the illustration to the right.



3. Press the **Video** button to start or stop the stopwatch.
4. Press the **Right** button while the stopwatch is running to display the split time. The display will stay frozen to the split time and will display a number indicating which split/lap time is being viewed. Up to 12 split/lap times can be recorded. Press the **Right** button again to store another split/lap time.
5. With the stopwatch stopped, press the **Set** button to reset the stopwatch and clear any existing split/lap times.



Using the Countdown Timer Function

You can set a countdown timer, which will sound an alarm when the timer reaches zero. Perform the following steps to set and use the countdown timer:

1. Press the **Mode/Sleep** button repeatedly until the time is displayed.
2. Press the **Left** button repeatedly until the *Countdown Timer* mode is displayed, as shown in the following image.



3. Press and hold the **Set** button for about 3 seconds to enter *Edit* mode.
4. Use the **Left** and **Right** buttons to change which portion of the time display is blinking.



5. Use the **Video** and **Photo** buttons to increase or decrease the value of the blinking portion of the display. The **Video** button increases the value, while the **Photo** button decreases it.
6. Once you have finished setting the amount of time for the countdown timer, press the **Set** button to save your changes.
7. Press the **Video** button to start or stop the countdown timer.
8. With the countdown timer stopped, press the **Set** button to reset the timer.
9. When the countdown timer reaches zero, the display will switch to the time display and the alarm will sound. Press any button to stop the alarm.

Using the Alarm Clock Function

You can set an alarm, which will sound at the specified time of day. Perform the following steps to set and use the alarm:

1. Press the **Mode/Sleep** button repeatedly until the time is displayed.



2. Press the **Left** button repeatedly until the *Alarm Clock* mode is displayed, as shown in the image to the right.

3. Press and hold the **Set** button for about 3 seconds to enter *Edit* mode.



4. Use the **Left** and **Right** buttons to change which portion of the time display is blinking.

5. Use the **Video** and **Photo** buttons to increase or decrease the value of the blinking portion of the display. The **Video** button increases the value, while the **Photo** button decreases it.

6. Once you have finished setting the time for the alarm, press the **Set** button to save your changes.

7. Press the **Video** button to toggle the alarm On or Off. The alarm icon is yellow when the alarm is on and blue when it is off.

8. When the specified time is reached, the alarm will sound. Press any button to stop the alarm.

Setting the Auto Off Time

To conserve battery life, you can choose to have the RF Wrist Remote's display go to "sleep" after a period of inactivity. Perform the following steps to set the "auto off" time:

1. Press the **Mode/Sleep** button repeatedly until the *Live View/Preview* mode is displayed.
2. Use the **Left** and **Right** buttons to cycle through the available modes until the *AutoOff* mode is displayed.
3. Press the **Video** button to enter *Edit* mode.
4. Use the **Left** and **Right** buttons to change the displayed value. You can set the *AutoOff* time to **Never** or to **5**, **10**, **30**, or **60** seconds.
5. Once the displayed value is correct, press the **Video** button to save your changes.

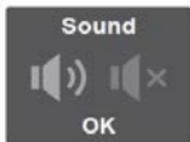


Note that you can manually put the display to sleep by pressing and holding the Mode/Sleep button for about 3-4 seconds.

Enabling or Disabling Sound

By default, the RF Wrist Remote will beep whenever a button is pressed. Perform the following steps to enable or disable the button beep sound:

1. Press the **Mode/Sleep** button repeatedly until the *Live View/Preview* mode is displayed.
2. Use the **Left** and **Right** buttons to cycle through available modes until the *Sound* mode is displayed.
3. Press the **Video** button to enter *Edit* mode.
4. Use the **Left** and **Right** buttons to change which icon is highlighted. The icon on the left with the radiating waves indicates that sound is on, while the icon on the right with the X indicates that sound is off.
5. Press the **Video** button to save your changes.



Adjusting the Screen Brightness Level

Perform the following steps to change the brightness level of the display. Note that a bright display will be easier to see in daylight, but will consume battery power at a faster rate than a dimmer display.

1. Press the **Mode/Sleep** button repeatedly until the *Live View/Preview* mode is displayed.
2. Use the **Left** and **Right** buttons to cycle through available modes until the *Bright* mode is displayed.
3. Press the **Video** button to enter *Edit* mode.
4. Use the **Left** and **Right** buttons to change the brightness level to one of five preset values. The display will dim or brighten as you are changing the level, so it is easy to see which level is best for your situation.



Live View/Preview Mode

The primary use for the RF Wrist Remote is as a remote monitor and controller for one or more paired cameras. When in *Live View/Preview* mode, you can start and stop video recording and can take still photos.

To enter *Live View/Preview* mode, press the **Mode/Sleep** button repeatedly until the *Live View/Preview* mode is displayed.

If you have more than one camera paired with the RF Wrist Remote, use the **Left** and **Right** buttons to switch cameras. The green bar above the camera icon and the number inside the icon indicates which of the six cameras is currently selected.



The color of the camera icon indicates the status, as shown in the following table:

Live view icon indicators

-  (orange) - card full
-  (blue) - recording
-  (gray) - standby (already connected to camera)
-  (black) - disconnected



Note: If the camera is powered off and the Record button is pressed, a red dot will appear in the upper left corner. This does NOT indicate that recording is taking place. Recording is only taking place when the Live View contains live video and the camera number has a blue outline.

The **Video** and **Photo** buttons perform the actions shown in the following table, depending on the mode in use by the paired camera.

Action Cam Mode	Video Button	Photo Button
Video	Start/stop video recording	Capture a still photo*
Photo	Start/stop video recording	Capture a still photo*
Burst	Start/stop video recording	Capture a photo burst
Time Lapse (Video)	Start/stop recording	Capture a still photo**
Time Lapse (Photo)	Start/stop recording	Capture a still photo**
Self-Timer	Start/stop video recording	Start the self-timer
Looping	Start/stop loop recording	No function
Setup/Wi-Fi	Start/stop video recording	Capture a still photo*

**Note that you can capture a still photo while video is being recorded in either of these three modes.*

***You can capture a still photo ONLY while Time Lapse recording is NOT taking place.*

USING THE ACCESSORIES

The camera includes a waterproof case and several T Tip mounting accessories.

Using the Waterproof Case

Notes Concerning the Waterproof Case

- The camera and other components are only waterproof when properly enclosed in the waterproof case. Do not otherwise subject this device to water or moisture of any kind. If the camera is exposed to moisture outside of the waterproof case or if water gets into the waterproof case, immediately remove the battery and allow the camera to thoroughly dry.
- The waterproof case is not dust-proof.
- The waterproof case is rated IP8X for depths up to 196 feet (60 meters) for up to 60 minutes. Do not take this device to depths greater than 196 feet (60 meters) or keep it underwater for more than 60 minutes.
- The waterproof case's waterproof properties apply only to fresh or salt water. Any other liquids should be flushed off with running tap water and then wiped off with a soft, dry, lint-free cloth.
- When using the camera in cold or humid environments, use the included anti-fog inserts to help prevent the build-up of moisture inside the waterproof case. Note that the anti-fog inserts can provide only a limited amount of moisture protection and must be replaced after each use.

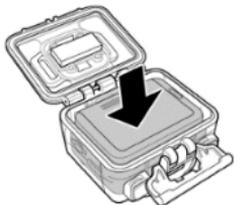
- Physically inspect the waterproof case for cracks, scratches, or other damage prior to use. Do not use it if it shows signs of damage.
- Do not subject the waterproof case to water temperatures greater than +104°F (+40°C) or less than +32°F (0°C).
- Do not open the waterproof case in dusty, dirty, or sandy environments. Do not open the waterproof case near water. Do not open or close the waterproof case with wet hands.
- Prior to closing the waterproof case, carefully inspect the seal area for the presence of dust, dirt, sand, hair, or other foreign objects. Ensure the seal is free of all foreign objects prior to closing the case and using the product in or near water.
- Prior to opening the case after use, thoroughly rinse the case and external accessories in running tap water to remove any salt, sand, or other contaminants, then wipe the case dry and allow it to air dry for at least 10 minutes. Ensure the case is completely dry before opening it.
- After removing the camera from the waterproof case, soak the case in a bucket of clean tap water for about 10 minutes, remove it, wipe it dry with a soft, lint-free cloth, and then place it in a cool, dry place to allow it to dry naturally. Do not place it in direct sunlight.

Perform the following steps to install the camera into the waterproof case:

1. While holding the latch lock to the right, lift the front portion of the case latch.
2. Lift the rear portion of the latch to disengage the rear door.



3. Swing the rear door open to reveal the empty camera housing.
4. Carefully inspect the seal on the rear door for damage or the presence of sand, hair, or other foreign material. Do not use the waterproof case under water if there is damage to the seal or if foreign material is present.



5. Insert the camera into the housing lens first.
6. Swing the rear door closed.
7. Place the rear portion of the latch over the catch at the top of the rear door.



8. Press down on the front portion of the latch until it locks into place.

The camera is now ready for use under water!

Using the T Tip Adapter

The camera comes with the T Tip Adapter mounted on the bottom of the waterproof case. Depending on your usage needs and any optional accessories you wish to use, you may need to move the T Tip Adapter to another location. To do so, use a #1 Phillips screwdriver to remove the four screws holding the adapter to the case, place the adapter in the desired location, then reattach it to the case using the four screws.



Changing the Rear Door

The camera includes both a waterproof rear door and a vented rear door for the waterproof case. Depending on your usage needs, you may need to change doors. Perform the following steps to swap the doors on your waterproof case.

1. While holding the latch lock to the right, lift the front portion of the case latch.
2. Lift the rear portion of the latch to disengage the rear door.
3. Swing the rear door open.
4. With the rear door fully open, hold the case in one hand, grab the door with the other, and pull them apart.
5. Place the hinge of the replacement rear door against the hinge barrels on the case and press them together until the door snaps into place.



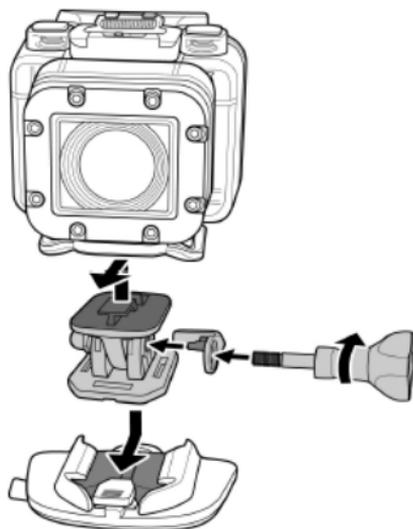
Using the Hook & Loop Strap

The included Hook & Loop strap can be used to secure the camera to any object. To use the strap, first insert it through the slots in the T Tip Adapter, as shown in the image to the right.



Assembling the T Tip Accessories

The Swivel T Tip is used to secure the camera to a mounting socket or other accessory. To attach the Swivel T Tip to the T Tip Adapter on the camera house, depress the locking latch and slide the Swivel T Tip onto the adapter, as shown to the right. Then slide the Swivel T Tip onto the Mounting Socket.



To remove the Swivel T Tip from the Mounting Socket, depress the locking lever on the socket, then slide the adapter to the rear.

To remove the Swivel T Tip from the T Tip Adapter, depress the locking lever on the Swivel T Tip and slide it to the rear of the camera.

To prevent the Swivel T Tip from detaching from the T Tip Adapter, use the included safety lock to prevent the locking lever from being depressed. To install the safety lock, attach the Swivel T Tip to the T Tip Adapter, as described above. Then, unscrew the pivot locking screw, install the safety lock as shown in the illustration above, and replace the pivot locking screw.



Using the Mounting Sockets

The camera includes both a Flat and a Curved Adhesive Mounting Socket to which the Swivel T Tip can be attached. For best results, adhere to the following guidelines when using the Adhesive Mounting Sockets.

- Attach only to a smooth surface
- Apply only to a clean surface - wax, dust, and oily residue will prevent the adhesive from properly setting to the mounting surface
- Attach the mount at room temperature
- Attach the mount at least 24 hours prior to initial use
- Press down firmly when attaching the mount to ensure optimum adhesion
- Use the included tether to secure your camera to a separate mounting point

TROUBLESHOOTING

Camera Troubleshooting

Q1: The Battery LED is flashing red.

A1: The battery charge is almost depleted. Replace the battery with a fully charged one or charge the battery before attempting to use again.

Q2: Nothing happens when the Shutter button is pressed.

A2: The microSD card is full. Replace with an empty microSD card or delete files from the card before again attempting to record videos or capture still images.

Q3: Nothing happens when the Shutter button is depressed and the screen shows 000, indicating that there are no files.

A3: The microSD card may have compatibility issues or there may be no microSD card inserted in the card slot. Try formatting the card to ensure the formatting is compatible with the camera. Alternatively, insert a compatible microSD card with available free space for recording.

RF Wrist Remote Troubleshooting

Q1: The screen is black and all buttons are unresponsive.

A1: The battery is depleted. Charge the wrist remote using the included charging cable.

Q2: The camera icon is orange.

A2: Either the inserted microSD card is full or there is no card inserted into the camera's microSD card slot. Either insert a microSD card with free space or delete files from the microSD card to clear some space.

Q3: The camera icon is black.

A3: Ensure that the camera is powered on. Pair the camera to the RF wrist remote.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website (www.monoprice.com) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to tech@monoprice.com

SPECIFICATIONS

Camera	
Lens	3.4mm, $f=2.8$
Focus Range	2.6 ft. ~ ∞ (0.8m ~ ∞)
Field of View	Video: 75 ~ 140°, Photo: 73 ~ 142°
Video Resolutions and Frame Rates (FOV)	1080p (16:9): 60fps (126°), 30fps (126°), 30fps (102°), 30fps (75°)
	960p (4:3): 60fps (140°), 30fps (140°)
	720p (16:9): 120fps (102°), 60fps (126°)
	WVGA (16:9): 240fps (140°)
Video File Format/Codec	mp4, H.264
Video Bitrate	Up to 15Mbps
Looping Video	Yes, 1080p30 (126°)
Photo Resolutions (FOV)	16 MP (142°), 12 MP (118°), 8 MP (93°), 5 MP (73°)
Burst Mode	7 photos per second
Self-Timer Delay	2 or 10 seconds
Time Lapse Modes	Video or Photo
Time Lapse Intervals	1, 3, 5, 10, 30, or 60 seconds
Photo File Format	JPEG (exif 2.2), DCF

White Balance	Auto
Built-in Wi-Fi	Yes
RF Remote	Included with PID 12570 only
OLED Display	0.83" (21mm)
Inputs	Micro USB, 2.5mm TRS (external microphone)
Outputs	HDMI Mini Connector
Battery Type	SLB-10A (1130mAh Lithium-ion)
Battery Duration	Video (1080p60): about 90 minutes
	Photo (16 MP): about 250 photos
Auto Power Off	1, 3, 5, 10, 30, or 60 minutes
Dimensions (HxWxD)	1.7" x 2.3" x 1.7" (42.7 x 59.2 x 43.8 mm)
Weight (without battery)	2.6 ±0.1 oz. (74 ±3 g)

RF Wrist Remote	
Display	1.29" OLED
Aspect Ratio	4:3
Stream Format	MJPEG, 128 x 96 pixels, 8 fps
RF Frequency	2.4GHz
RF Range	Up to 9.8 ft. (3m)
Auto Sleep Mode	Never or 5, 10, 30, or 60 seconds
Battery Capacity	370mAh
Battery Charging Time	About 2 hours
Battery Duration	Live View: 1.5 hrs.
	Continuous Time Display Only: 6 hrs.
	Standby/Sleep Mode: up to 6 months

REGULATORY COMPLIANCE

Radio Notice for FCC

Caution 

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

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 any interference received, including interference that may cause undesired operation.

Radio Notice for Industry Canada

Caution 

This IC RSS-210 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with IC RSS-210. Operation is subject to the following two conditions: (1) this device may not cause

harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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