

# Quick Start



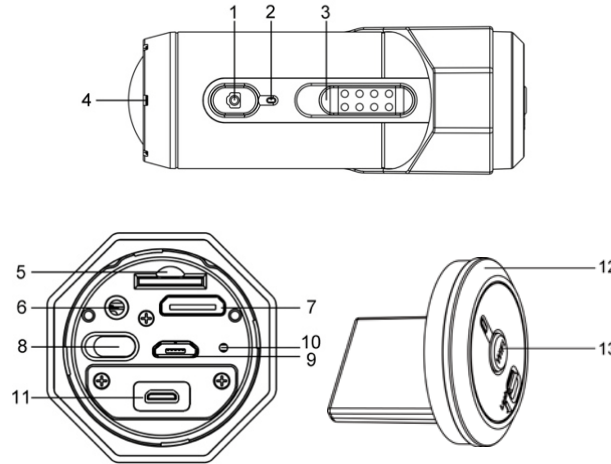
**AIR PRO™  
WiFi**

Thank you for purchasing the **ion AIR PRO WiFi** HD sports video camera. **The ion AIR PRO with WiFi PODZ** allows you to connect to mobile devices and PCs without using cables. Use your mobile device as a viewfinder (**Live Streaming**) or **seamlessly transfer your photos and videos** from your camera to your mobile device and social media sites. **The ion AIR PRO can be mounted with the Bike & Helmet Kit or the BOARD Kit for the ultimate adventure HD recording experience.**

## Getting to know your AIR PRO WIFI camera

- ✓ AIR PRO is a **Professional, High Quality Digital Video Recorder** that records in Full HD video using an easy slide switch.
- ✓ **5 Mega Pixel Sensor** for great digital photographs
- ✓ Your camera supports a Micro SD card up to 32GB, which allows you to take video in **1080p with 30 frames per second for about 4 Hours.**
- ✓ The embedded **1200mAh Li-Polymer Battery** can be recharged quickly.
- ✓ The **Waterproof Housing** lets the camera perform up to 10 meters under water.
- ✓ AIR PRO is about **4.6 ounces or 130g.**
- ✓ WiFi PODZ provides the **Wireless Capability** to your ion camera. You can access and transfer your photos and videos to your PC, mobile phone or tablet. It also turns your mobile device into a viewfinder, allowing you to live-stream the camera view on your mobile device.

## 1. Getting to Know Your Camera



1	Power	1. Turn the camera on or off 2. Take a single photograph
2	LED indicator	Show the camera status
3	Recording Slide Switch	Slide to start or stop video recording
4	Lens	Fixed Focus (2ft/.6m), glass
5	Micro SD card slot	Micro SD card storage location.
6	AV port	Connect the camera to TV via Composite cable
7	Mini HDMI Port	Connect the camera to TV via HDMI cable
8	Video Resolution Switch	Select video resolution: FHD (Full HD) or HD.
9	USB Port	1. Connect to computer for data transfer or camera setup 2. Charge your camera
10	Reset button	Reset the camera
11	PODZ Socket	Connect PODZ to the camera to achieve additional function
12	WiFi PODZ Back Cover	Rotate to seal the camera
13	WiFi PODZ Power Button	Turn the WiFi on or off

## 2. Using Your Camera

### 2.1 Charging

Charge your camera with either the USB cable or AC/DC adapter. The LED will be red when the camera is charging and turns off when the camera has been fully charged. It takes about 3 hours to fully charge the camera. The camera will be at 80% capacity after 1 hour through the power adapter, or after 2 hours with a computer's USB port.

### 2.2 Memory Card

The camera uses a Micro SD or SDHC Card up to 32GB (not included.) We recommend using an SDHC Class 6 or higher card.

1. Always insert and remove the card with the power off. Not doing so can damage the card.
2. There is only one correct direction to insert the MicroSD card into the slot. Do not force the card into the card slot as it may damage both the camera and the MicroSD card.
3. A new Micro SD card should be formatted before using for more than initial test purposes. For more information, please see sections 4 and 6.

### 2.3 Set up Date and Time

The Date & Time are changed using the ION software application Please see section 4.

### 2.4 Sealing Your Camera

The Waterproof Housing lets the camera perform in up to 10 meters or 30 feet under water. You must seal the camera with PODZ to protect the camera when using it in wet or moist conditions.

To attach the PODZ

1. Position the PODZ on the back of the camera and press gently to push the PODZ flush to the back of the camera.
2. Rotate the PODZ clockwise until the two dots are aligned. The PODZ should rotate easily when properly positioned. Never force it which could damage the lock and the seal.
2. Slide the latch on the PODZ to lock it.

#### Notes




1. Failure to properly seal your camera can result in leaks that will damage or destroy your camera. Your warranty does not cover water damage resulting from user damage.
2. The rubber seal on the PODZ forms the waterproof barrier to protect the camera in wet and underwater conditions. You must keep this seal clean as a single strand of hair or grain of sand can create a leak into the product.
3. After every use in salt water, you will need to rinse the outside of the product and the seal with non-salt water and then dry. Not doing this can cause corrosion in the product or failure in the seal, in turn, damaging the product.




## 2.5 Recording Video

Before starting recording, select the video resolution by switching the Video Resolution Switch. Defaults are FHD=1080p,30fps, HD=720p,60fps

There are two methods available for starting the video record function. When starting a video recording, a short vibration indicates recording started. The LED indicator is RED during recording.

1. Slide the Recording Slide Switch  from STOP to REC. Works whether the camera power is ON or OFF.
2. When your camera is OFF and the Recording Slide Switch  is in the REC position, press and hold the Power  button to turn the camera ON and it will start recording.

Move the Recording Slide Switch  from REC to STOP to stop recording. The camera will vibrate and the LED indicator will change to GREEN to indicate that recording has stopped. The camera will then enter Standby mode.

An additional option is to hold the Power  button to stop the recording and turn the camera off. The camera will vibrate two seconds and the Red LED light will turn off.

### Notes:


1. An additional 432x240 (w/ 1080p/720p) or 320x240 (w/ 960p) video file will be created simultaneously with the recording of an HD/FHD video file. The smaller video file size allows for more efficient uploading of content to social media sites and email.


2. Changing video resolution is disabled during video recording.

3. There will be around 1-2 seconds delay before the camera starts recording.

4. The various video resolution options for HD and FHD can be changed under the "Settings" selection in the ION software application. See Section 4.

## 2.6 Taking Photos

1. Turn on the camera by pressing the Power  button until it vibrates briefly and the LED turns green.

2. After the camera power has been turned on, press the Power  button briefly to take a photo. A short vibration and a flash of Green LED will indicate the action was successful.

### Notes:

1. The Still Photo function is disabled during video recording.

2. Change photo resolutions and shot mode (Single Shot, Burst Mode and Time Lapse) through the "Settings" section ION software application.

## 2.7 CamLOCK Mount System

ion's versatile CamLOCK Mount System allows you to attach the AIR PRO camera to any type of helmet (bike, motorcycle, ski, skydive etc.), pole, board (surf, skate, ski etc) and handlebar (bike and motorcycle).

Please refer to the specific mounting guides for instructions on how to mount the camera for a particular activity.

## 3. WiFi

### 3.1 Install Your WiFi PODZ

1. Remove your PODZ and press the WiFi PODZ into the PODZ socket.

2. Seal the camera by rotating the WiFi PODZ until the dots are aligned and sliding the latch to lock it in place.

3. Press and hold the Power  button to turn the camera on.

4. Press the WiFi PODZ power button to turn on WiFi. The LED will be a solid blue for about 15 seconds while WiFi is initializing. The LED will change to a slow blue flash when WiFi is ready.

5. Press the WiFi power button to turn off WiFi at anytime.

### Notes:

WiFi will drain your camera battery more rapidly when activated. Turn the WiFi off if you are not using it to preview or manage file content.

## 3.2 Mobile Device App (iPhone, iPad, iPod Touch)

1. Search for the iontheaction App at the App store.

2. Download and install the ION App to your mobile device.

3. Turn on the camera and WiFi PODZ.

4. When the WiFi LED changes to a slow blue flash, go to the network settings of your mobile device and choose WiFi. Search the network, find and click "WiFiPODZ."

5. Enter password "123456789" to connect to your camera.

6. Open the ION App.

Once you open the App you can:

1. View the photos and videos on your camera. (ION)
2. Save the photos and videos on your camera to an ION Album on your mobile device. (ION/Select)
3. View the progress of a video transfer from your camera to the ION Album (Dashboard)
4. Access your iON Album files to upload to Face Book, attach to Email or save to the iOS Library (Album/Select)
5. Live stream to preview the field of view when attaching the camera to a mount point. (Remote)

### Notes:

1. If live streaming or return to file mode does not begin within about 5 seconds, press the power button once quickly to initiate the mode switch.

2. 3G/4G and internet WiFi connections are disabled when you are connected to the camera by WiFi. Turn the camera WiFi off to re-enable your automatic internet WiFi connection for upload of files from the ion Albums.

3. Be sure to reselect WIFIPODZ in WiFi settings when turning camera WiFi back on, as the mobile device may have automatically connected with another WiFi service in the mean time.

4. If the App does not operate correctly after changing modes, try restarting the App and/or using network settings to Forget and re-establish the connection.

## 3.3 Browser WiFi Connection

1. Turn on the Camera and WiFi PODZ.

2. When the WiFi LED changes to a slow blue flash, go to the network settings of your computer or mobile device and choose WiFi. Search the network, find and click "WiFi PODZ."

3. Enter password "123456789" to connect to your camera.

4. Open your Internet browser and enter "192.168.1.2" or "WIFI.PODZ" to connect to your camera.

You can use the browser connection to:

1. Live stream to preview the field of view when attaching the camera to a mount point.
2. View the photos and videos on your camera.
3. Save photos to your computer or mobile device.
4. Change the camera's WiFi SSID (name) and/or password.

### Notes:

1. Computers require any wired connection to be disabled or unplugged before a WiFi connection can be established.

2. Please use the ion WiFi App to view and save videos to an iOS device.

3. Please use the ion Software Application to save videos to your Computer.


4. Check our website for updates. We will continually enhance the ION connectivity capabilities, including switching directly to record from the live streaming preview.

## 4. ION Software Application

### 4.1 Windows Software Application

The Windows ion.exe Software Application comes installed on the camera. To run the application:

1. Insert a Micro SD card with at least 2MB free space into the camera.

2. Press the Power  button to turn the camera on.

3. Connect your camera to the PC via the camera's USB cable.


4. Open the MicroSD folder and you will find the file "ion.exe".

5. Double click the file to open

### 4.2 Mac Software Application

1. Visit the ion website (www.iontheaction.com) to download the latest Mac software application version.

2. Insert a Micro SD card with at least 2MB free space into the camera.

3. Press the Power  button to turn the camera on.

4. Connect your camera to the Mac via the camera's USB cable.

4. Locate and open the new device "No Name" (You should see a folder "DCIM" and the file ion.exe when you open it.)

6. Drag the downloaded file to the device in the same folder as ion.exe.

7. Double click the newly loaded file to run the Mac Application.

### 4.3 Software Application Features

Once you open the software application you can:

1. View and copy the files stored on the camera
2. Change the camera settings
3. Set the Date & Time
4. Format the camera's card
5. Link to the ion website and cloud service
6. Check the firmware update

### Notes:

The camera can be connected to any plug & play Windows or Mac system and accessed as a removable disk drive. Files can be viewed and copied without the use of the application.

## 5. Sign Up for Free ion Cloud Storage

You can sign up for 8GB of free Cloud storage for storing and sharing of video and photo content. Enter [www.iontheaction.com/ioncloud](http://www.iontheaction.com/ioncloud) to activate this service..

## 6. Connecting Your Camera to a TV/HDTV

You can connect your camera to a TV or HDTV via the Composite RGB (included) or an HDMI cable (not included). Once you are connected you can:

1. Take photos or videos by using your TV as a viewfinder
2. Playback any photo or video files saved in the camera
3. Delete any files saved in the camera
4. Format the MicroSD Card

## 7. Troubleshooting

Problems	Causes	Solutions
1. LED flashes and camera turns off 2. Cannot turn on the iON camera	Battery is depleted	Recharge the camera
Red LED flashes during recording	Low battery	Recharge the camera
Cannot take photos or video (Green LED flashes)	Memory full	Replace with a memory card with space available for contents
Cannot take photos or video (Green and Red LED flashes alternatively)	1. Micro SD card is not properly inserted 2. Micro SD card has not been formatted properly.	1. Insert an SD card. Press in to lock in place. To release a card press in to unlock and card will pop up, 2. Format the Micro SD card
Cannot find removable disk or device after connecting the camera to a computer by USB	Connection failure.	1. Make sure all cable connections are secure. 2. Disconnect the camera, power cycle and reconnect. 3. Try a different USB port on the computer 4. Restart the computer
Camera behaving oddly and not as described in the documentation.	Firmware Configuration Issue.	Press the Reset button on the back of the camera.

## 8. Specifications

Sensor	5 Mega pixel CMOS sensor
Lens	170° ultra wide angle field of view
Focus range	0.5m - ∞
Video	1080p: 1920x1080 pixels (16:9), 30 fps
	960P*: 1280x960 pixels (4:3), 30 fps
	720p: 1280x720 pixels (16:9), 60 fps
	720p *: 1280x720 pixels (16:9), 30 fps
	Format: H.264 compression, saved as MPEG4 (.mp4) file
Photo	Dual Video files for easy sharing
	Resolution: 5 Mega Pixel in JPEG format
Audio	Capture Modes: Single, Burst-shot*, Time lapse*
	Built-in high quality microphone
Storage	AAC Compression, Automatic Gain Control
	Micro SD/Micro SDHC with minimum Class 6 up to 32GB (not included)
Connection	Average Recording Times: about 4 hours (using 32GB mSD card in 1080p30/720p60)
	USB2.0 (for data connection and battery charging)
	HDMI
Power	AV / Composite
	Build-in 1200 mAh Rechargeable Li-Polymer Battery
Housing	Battery Life: Approx. 2.5 hrs / 1 hr (w/ WiFi)
	High quality Aluminum barrel and rubberized finishing
Dimension	Depth up to 30 feet / 10 meters
Weight	40 x 40 x 108 mm
	~130g/4.58oz (w/ PODZ), ~136g/4.79oz (w/ WiFi PODZ)

\* Settings can be changed through ion software

## 9. System Requirements

Operating System	Mac 10.5.x or higher, Windows® 7/XP SP3/Vista required for Software Application use
CPU	Pentium III or above
RAM	At least 64MB
Interface	USB 2.0 port (for data connection and battery charging)
CD	4x speed CD ROM or above
Mobile WiFi OS	iOS V 5.1 required for App use

### IMPORTANT

- Keep the lens clean. Dirt and fingerprints will affect the quality of the picture.
- Close the PODZ properly to prevent leaks. Do not open it under water.
- Rinse the camera with clean water after used and keep it dry for storage.
- Refer to additional operating instructions in the user manual

### TRADEMARK INFORMATION

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## FCC Statement

### Caution Statement

"Modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment."

### Instruction Statement

NOTE: This 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 or television reception, which can be determined by turning the equipment off and on, 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

WARNING: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THE DEVICE. ANY SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.



For EU only

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## Questions? Need Some Help?

This manual should help you understand your new product.

If you still have questions, call our help line 855-411-4466 or visit our website: [www.iontheaction.com](http://www.iontheaction.com)

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