



**LIVE PLANET<sup>®</sup> VR**

**VR Camera User Guide**





# Table of Contents

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## VR Camera User Guide

Inside Your Camera Box	Page 3
Get To Know The Camera	Page 4
Camera Quick Setup	Page 5
Live Planet Software Suite	Page 6
Supported VR Headsets	Page 7
Recommended Accessory Hardware	Page 8
Content Creator Key Features	Pages 9 - 21
Camera Software Updates	Page 23
Question and Support Information	Page 24



# Inside Your Camera Box

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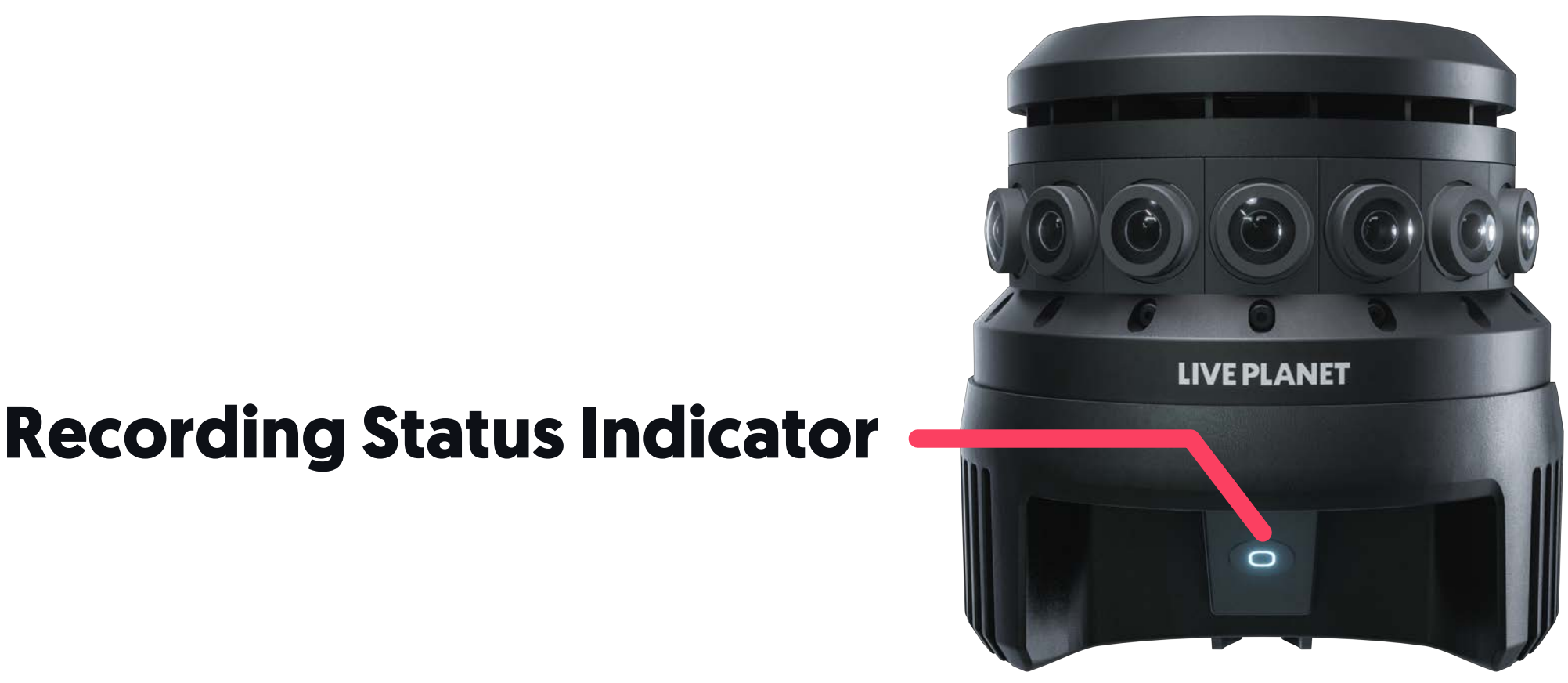
## Live Planet Camera Kit:

1. Live Planet VR Camera
  - a. MicroSD Card already inside
2. Power Supply
3. Power Extension Cable
4. Camera Pouch
5. Micro Fiber Cloth
6. Ethernet Cable (10ft)
7. USB adapter to Micro USB adapter
8. Extra MicroSD Card



# Get To Know The Camera

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**Recording Status Indicator**

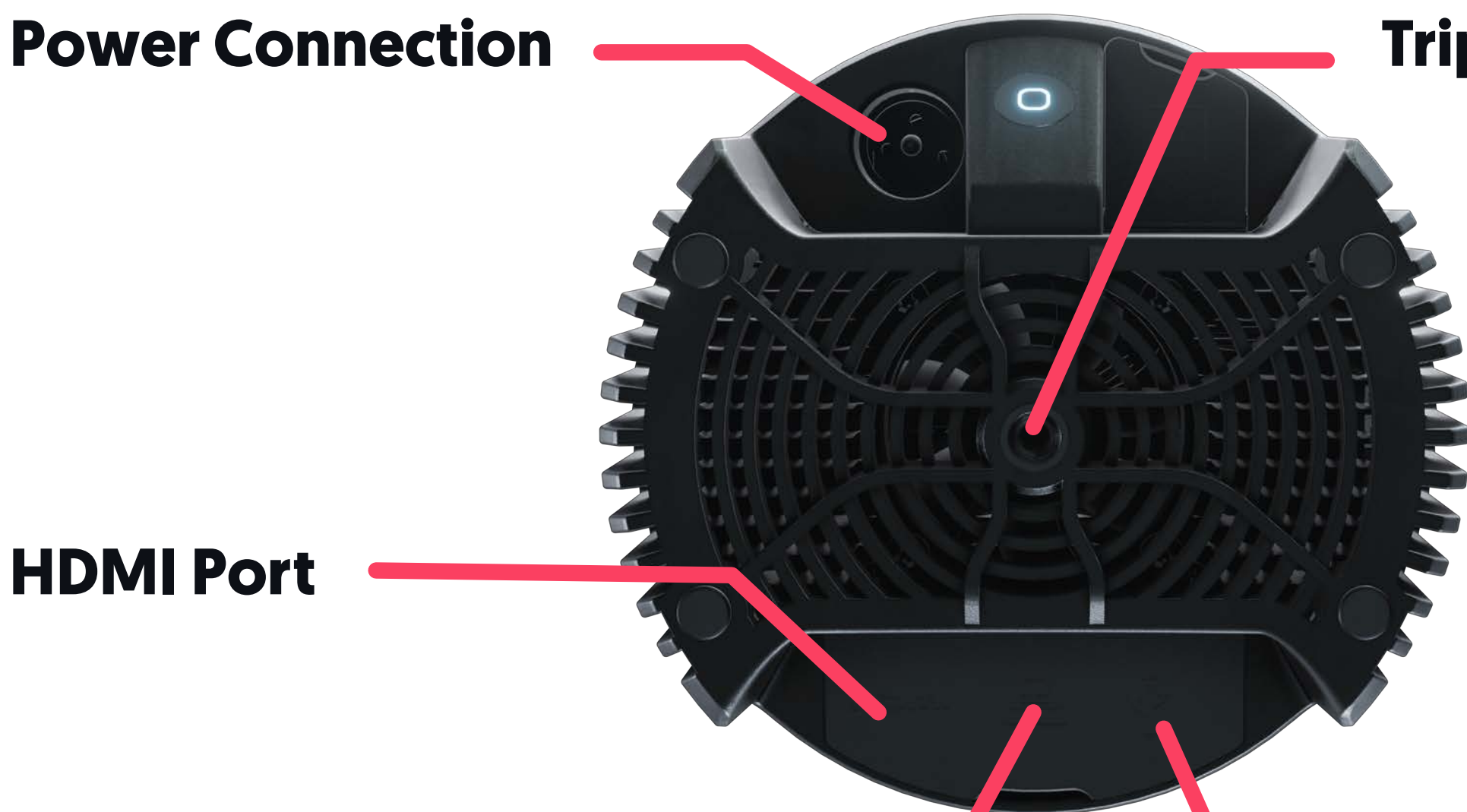
Front



**Micro SD Card Slot**

Insert SD card bottom side up

Side



**Power Connection**

**Tripod Screw Hole**

Standard 1/4" -20

**HDMI Port**

**Ethernet Port**

**Micro USB Audio-In**

for external microphones

Bottom

# Camera Quick Setup

Let's get your camera set up and ready to go!

## Setup Instructions

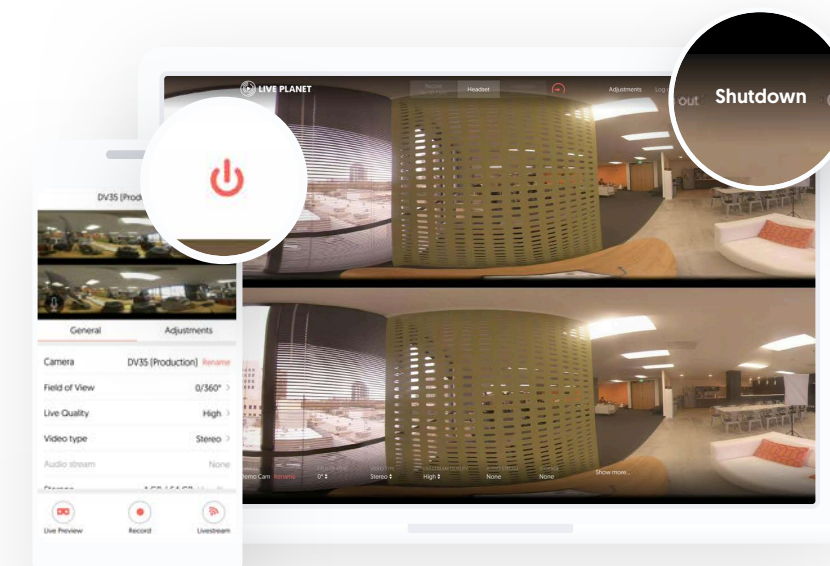
**Step 1** For best results, connect the camera to a tripod or monopod.

**Step 2** Setup camera at eye level.

(Note: Stay within 15 ft of the camera to be able to control the camera from your mobile phone or laptop).

**Step 3** Simply plug your camera in to power it on. After a few seconds, look from top to see green light emanating from inside.

To safely power down, click 'Shut Down' in the mobile or browser app.



Notes:

1. Leave SD card in camera. If removed, insert card bottom side up.
2. The Live Planet camera is designed to be used with professional audio equipment and requires a third party USB mic to record audio.

### IMPORTANT!

Use the included AC adapter when using the camera with a wall outlet. Using an incompatible AC adapter with the camera may cause damage. If you need a replacement, please contact us at [support@liveplanet.net](mailto:support@liveplanet.net) to obtain a new one.



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# Live Planet Software Suite

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A powerful set of tools to capture, manage, and distribute your content from anywhere, using any device.



## Live Planet Mobile Apps

You'll use our Live Planet Mobile app to control your new camera. Search "Live Planet" on the Apple Store or Google Play Store to find it.



## Live Planet Advanced Tools Want more control? Use this.

You can access the camera control web app via browser on any device. This web app provides additional powerful features such as RTMP streaming and fullscreen equirectangular top bottom stereoscopic preview. For instructions, see page 14.



## Live Planet VR App

Our Live Planet VR app is available on Oculus GO, GearVR, and Daydream platforms. These apps allow content consumers to watch your published live and recorded content.

# Supported VR Headsets

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See which of your headsets is compatible with our VR app and how to set it up.



**GearVR** with compatible Samsung Galaxy phones (Samsung Galaxy S7 and above recommended)

- Step 1** Connect your phone to headset and follow instructions to install the GearVR app
- Step 2** Open the Oculus Store from within the headset and search for “Live Planet” to find & install the Live Planet VR app.



**Oculus Go**

- Step 1** Open the Oculus store from within the headset and search “Live Planet” to find & install the Live Planet VR app.



**Daydream Headset** with compatible Daydream Android phone (ex. Google Pixel phones)

- Step 1** On your phone, install the Live Planet app from the Google Play Store.
- Step 2** Then use the Live Planet app to find and play video content.



**Cardboard Viewer** with any compatible Android phone

- Step 1** On your phone, install the Live Planet app from the Google Play Store.
- Step 2** Then use the Live Planet app to find and play video content.

# Recommended Accessory Hardware

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We recommend using the following or similar accessories with your Live Planet Camera.

## Recommended Audio Accessories

The Live Planet camera is designed to be used with professional audio equipment and requires a third party USB mic to record audio.



Zoom H2n Microphone



Zoom H4n Microphone



SMALLRIG Clamp Mount with  
Ball Head Mount Hot Shoe  
Adapter and Cool Clamp - 1124

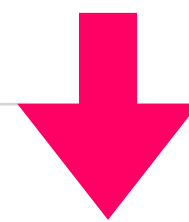


# Content Creator Key Features

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Try out these key features of our system

1. **Live Stereoscopic Preview on a VR Headset**
2. **Live Preview on Big Screen**
3. **Record to SD Card**
4. **Upload & Publish With Our VR Studio**
5. **VR Livestreaming to a VR Headset**
6. **Livestream to YouTube**
7. **Stream to Any RTMP Endpoint**



**Up First**

## Live Stereoscopic Preview on a VR Headset

Now lets show you Live Planet camera's flawless **realtime stitching** using the **live stereoscopic** preview.

Estimated Time: **5 min**

## Key Feature #1

# Live Stereoscopic Preview on a VR Headset

**Preview** your camera's feed **through a headset** in realtime to see yourself and everything around you, in 3D VR video.

## You'll need this equipment:

1. Live Planet Camera
2. Android Phone
  - a. Live Planet App (download from Play Store)
3. GearVR is recommended but Daydream or Cardboard viewer is also supported





## Key Feature #1

# Live Stereoscopic Preview on a VR Headset



You'll use our **Live Planet app** from the Play Store to finish this feature walkthrough.

If using GearVR, make sure to have our Live Planet VR app from the Oculus GearVR store installed. It is used behind the scenes to show you the preview on GearVR.

## Feature Instructions

### Step 1

Go to Wi-Fi settings on the phone and connect to the Camera WiFi. (liveplanet-xxxxxx)


Note:

1. Stay within 15 feet of the camera.
2. Camera WiFi is only used to control the camera, not to live stream video.

### Step 2

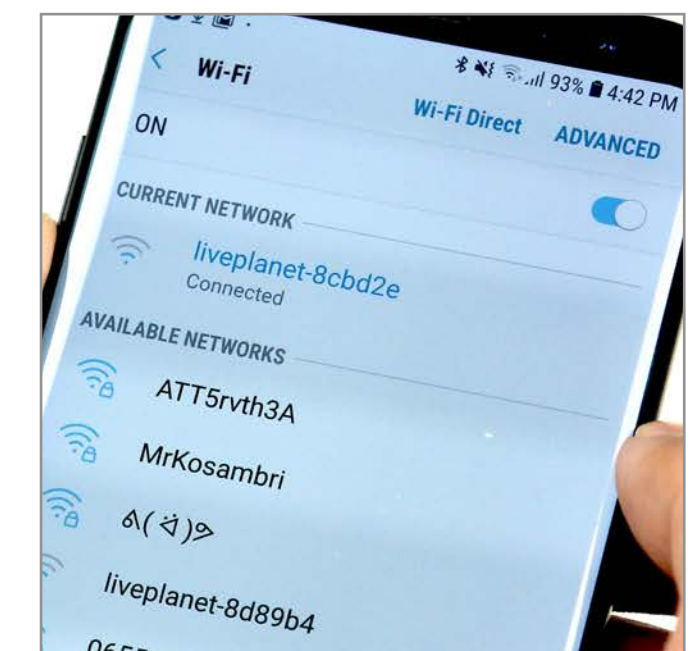
Launch the Live Planet app and tap on Camera icon on top left to navigate to Camera Control screen.

### Step 3

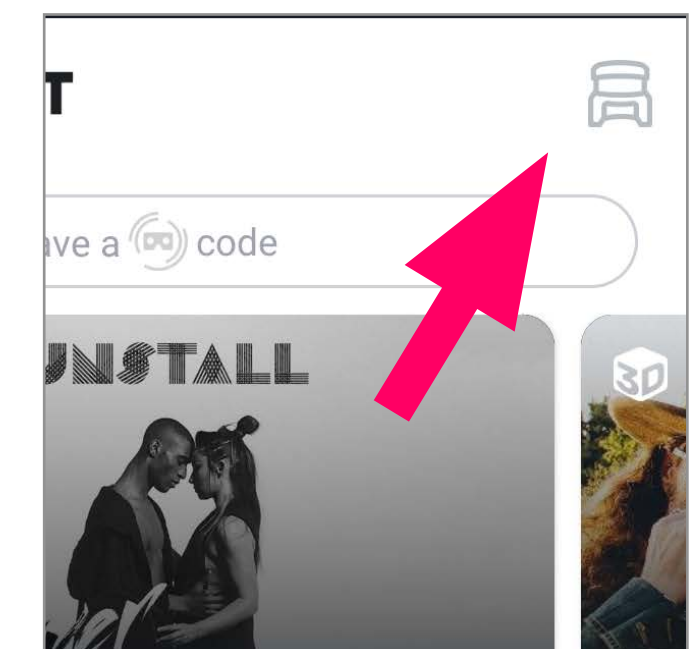
Click Preview icon  and put the phone into your VR headset to watch a live stereoscopic preview.

1. You may experience ~10s delay between action and preview.
2. Ensure that your headset image is in focus.

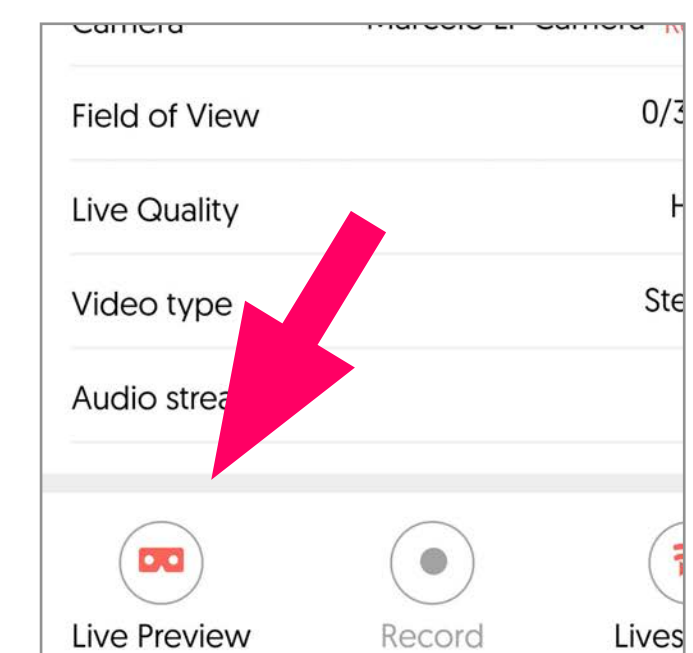
When done previewing, Click "End Preview" on the Live Planet app.



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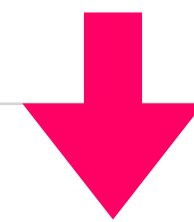


3

Just Finished

## Live Stereoscopic Preview on a VR Headset

You saw Live Planet camera's flawless **realtime stitching** using the **live stereoscopic** preview.



Up Next

## Live Preview On Big Screen

Now let's preview **perfectly stitched equirectangular** top bottom stereoscopic view from the Live Planet camera **on a big screen**.

Estimated Time: **5 min**



## Key Feature #2

# Live Preview On Big Screen

Connect to the camera through your browser to make image adjustments while previewing your camera's live feed on a large screen.

### You'll need this equipment:

1. Live Planet Camera
2. Computer w/ Web Browser

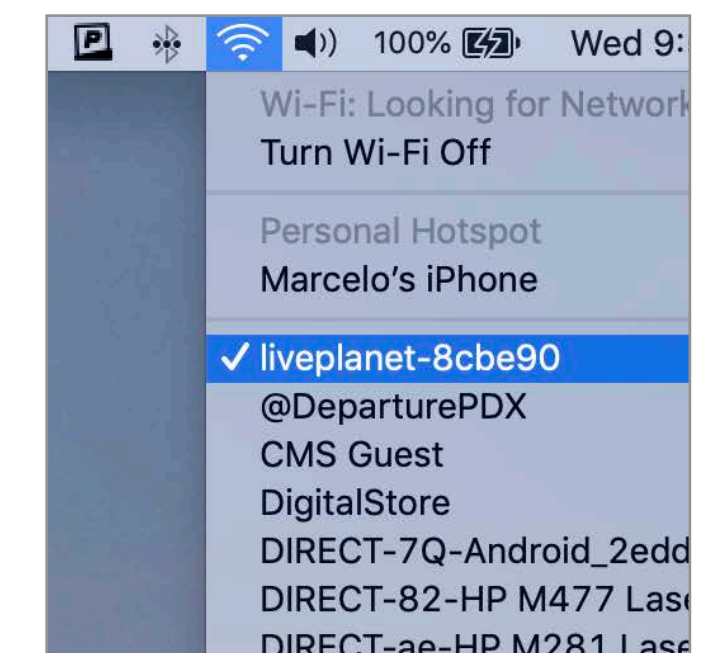


## Key Feature #2

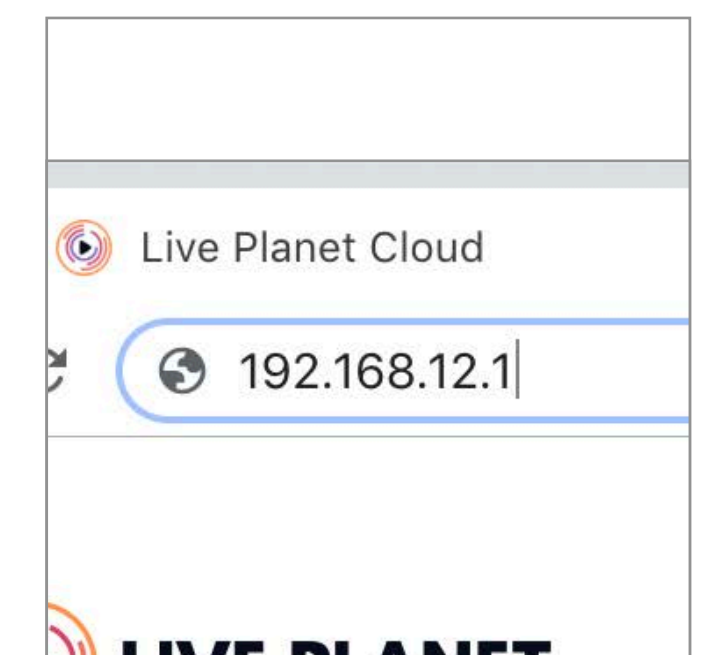
# Live Preview On Big Screen

## Feature Instructions

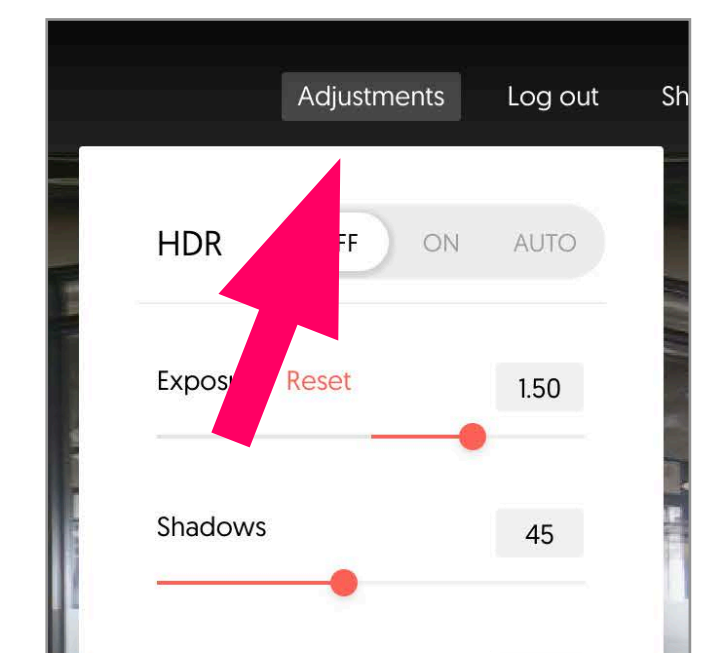
- Step 1** Connect your laptop to Camera WiFi (liveplanet-xxxxxx).
- Note:
1. Stay within 15 feet of the camera.
  2. Camera WiFi is only used to control the camera, not to live stream video.
- Step 2** Then type 192.168.12.1 from Safari or Chrome browser to launch camera software.
- Step 3** Click on Adjustments at the top right to make any image adjustments as you watch live preview on the big screen.



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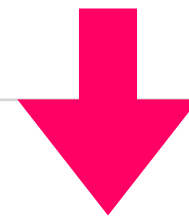
3



Just Finished

## Live Preview On Big Screen

You just saw how easy it is to make image adjustments while previewing an **equirectangular** live video feed **on a big screen**.



Up Next

## Record To MicroSD Card

Now that you have set up your camera, let's see how to shoot **360° stereoscopic video** and record to a **microSD card**.

Estimated Time: **5 min**

### Key Feature #3

## Record To MicroSD Card

Connect to your camera using the mobile app to record VR video to a microSD card.

### You'll need this equipment:

1. Live Planet Camera
2. MicroSD Card (already inside camera)
3. Android, iPhone, or Web Browser
  - a. Live Planet App (from Google Play or Apple Store)

Note: It is not required to plug in the included ethernet cable to the camera, to use this feature.





## Key Feature #3

# Record To MicroSD Card

## Feature Instructions

- Step 1** From your mobile phone or from your laptop, you can click the “Record” button to start recording to the SD card.
- Step 2** Real time preview displays while recording, so make image adjustments on the fly with confidence, from your phone or laptop.
- When done with recording, Click “End Recording” on the Live Planet app.

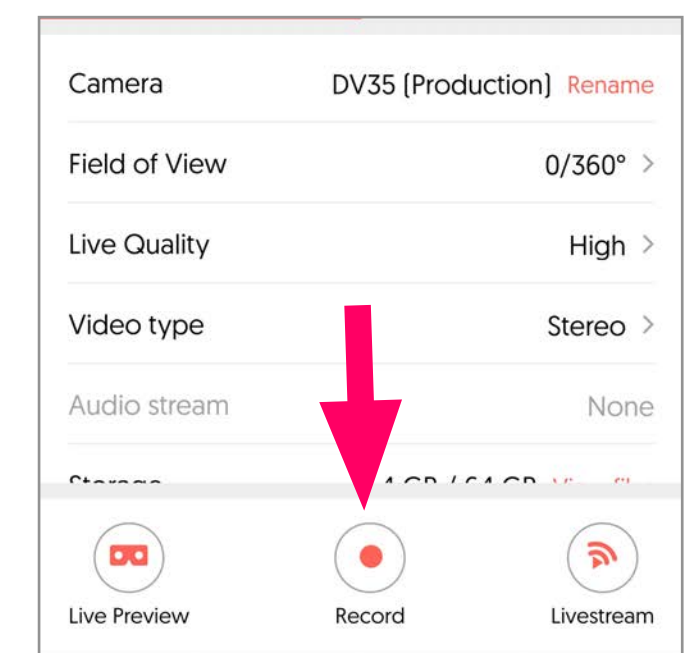


[bottom face up]

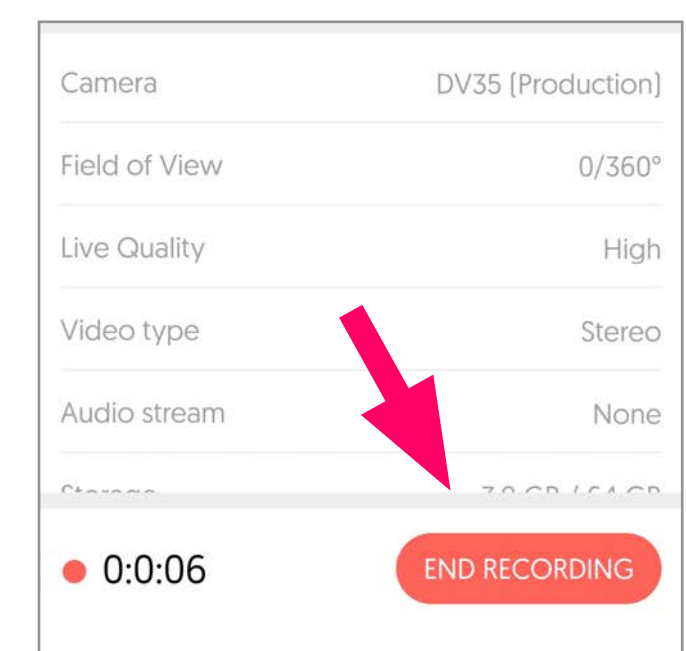
### Note:

We have already inserted a microSD card into the camera for your convenience and there is also a spare one in the camera kit if you want to record more.

**Do not force the micro SD Card into camera; insert it bottom side up as shown.**



1

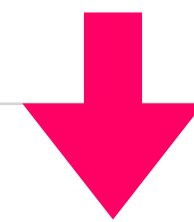


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Just Finished

## Record To MicroSD Card

You just saw how this camera stitches 360° stereoscopic video **in real-time** and stores the final output to **a single** microSD Card.



Up Next

## Stream To Any RTMP Endpoint (Advanced)

Next, see how you can **easily stream** from your Live Planet Camera to **any RTMP endpoint**. ( Facebook, Youtube, Twitch, etc.)

Estimated Time: **10 min**



## Key Feature #7

# Stream To Any RTMP Endpoint (Advanced)

The Live Planet camera has support for custom RTMP as well.

### You'll need this equipment:

1. Live Planet Camera
2. Ethernet Cable (included)
3. Web Browser

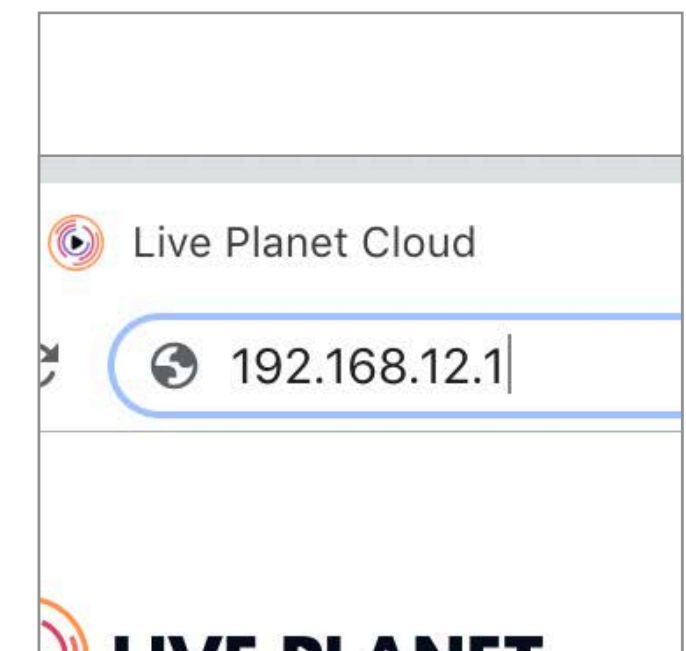


## Key Feature #7

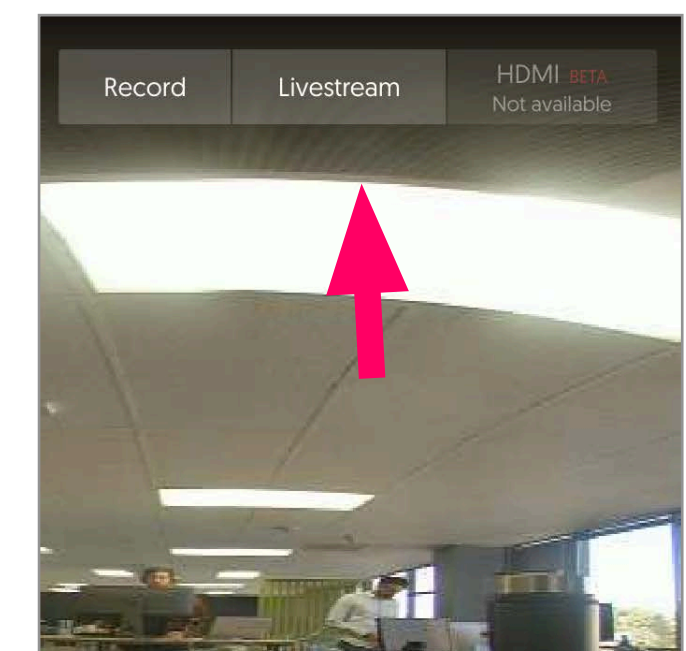
# Stream To Any RTMP Endpoint (Advanced)

## Feature Instructions

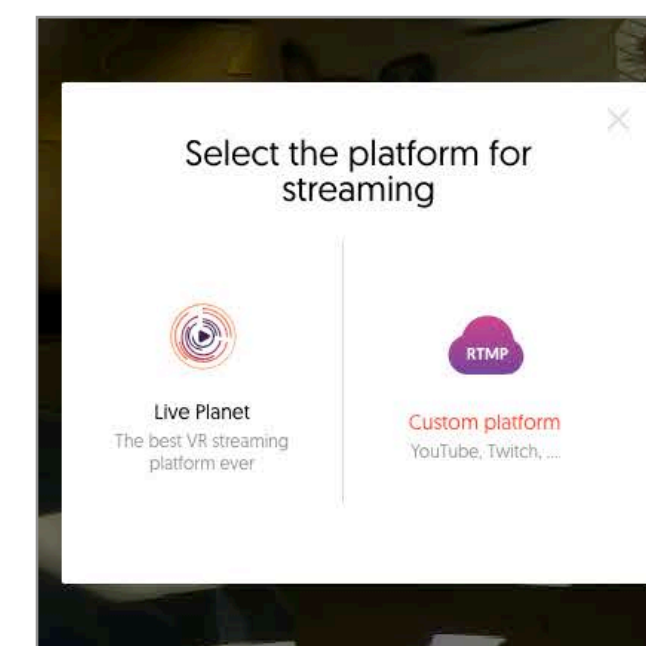
- Step 1** Connect your laptop to Camera WiFi. (liveplanet-xxxxxx).  
Note: Camera should still be using the ethernet cable setup in the previous section.
- Step 2** Then type 192.168.12.1 from any browser to launch camera software.
- Step 3** Click Livestream.
- Step 4** Then select “Custom Platform”.
- Step 5** Enter RTMP address and stream name.
- Step 6** Start streaming.
- Step 7** Go to your RTMP streaming service and make sure you can see the camera feed.



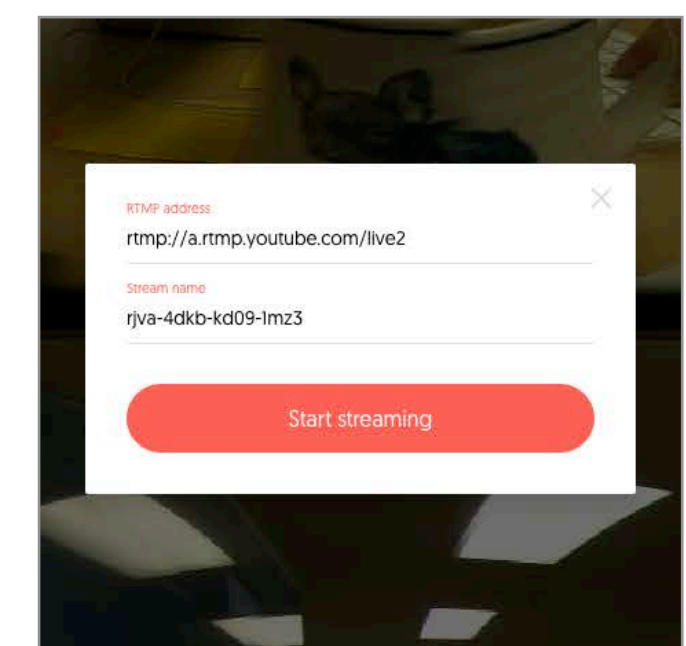
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&  
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Just Finished

## Advanced Feature - RTMP

You just saw how easy it was to stream from your Live Planet Camera to **any RTMP endpoint**. ( Facebook, Youtube, Twitch, etc.)

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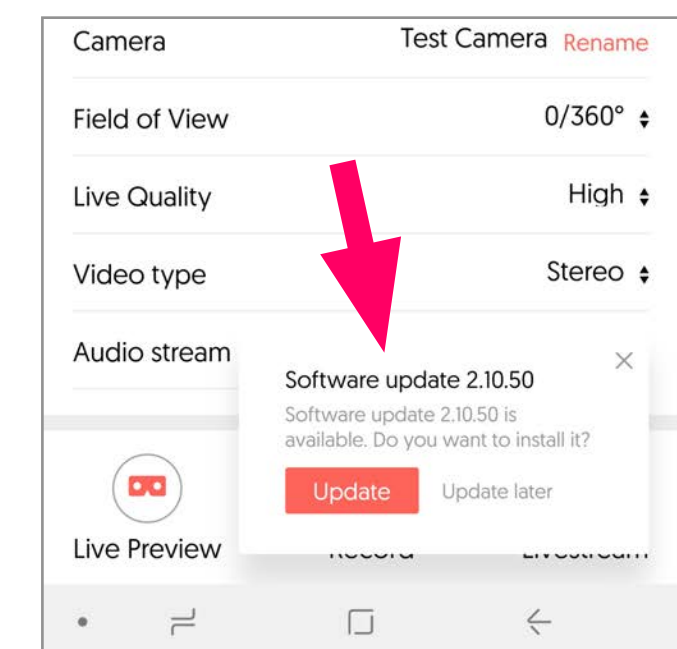
## Keep Exploring

There is far more you can do with your Live Planet VR System.

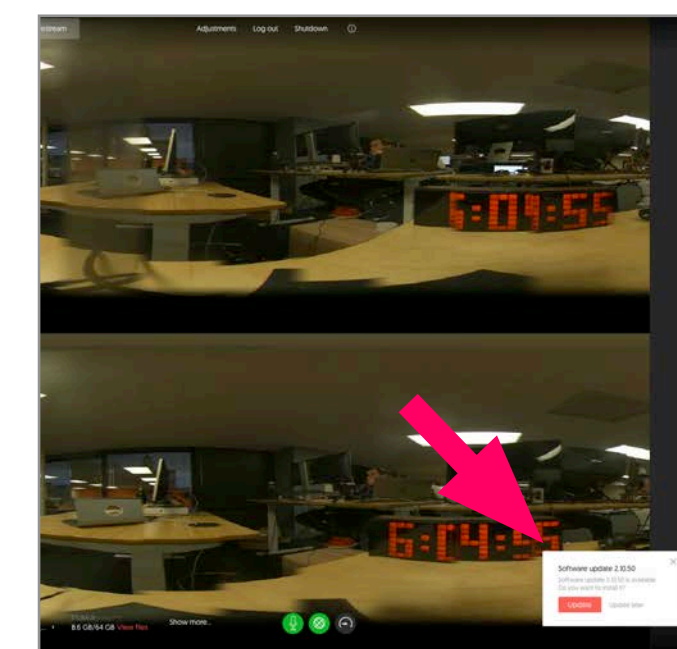
# Camera Software Updates

## Update Steps

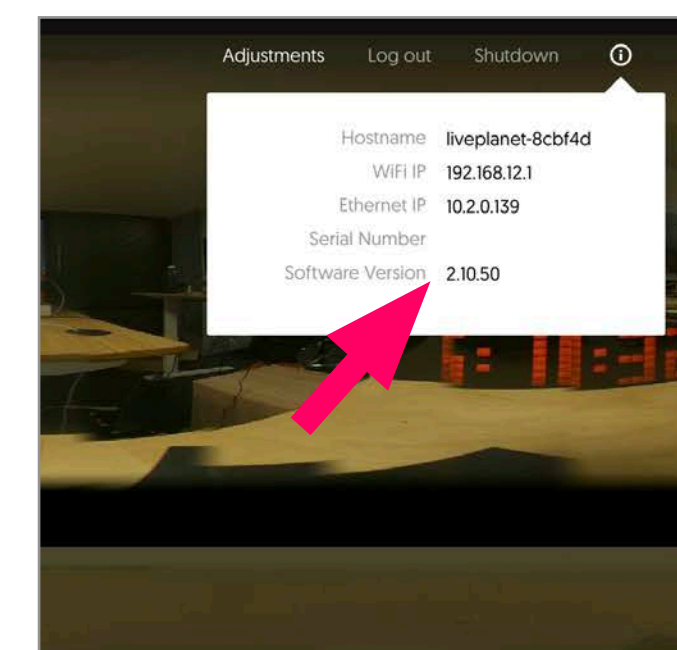
- Step 1** Connect camera to internet via ethernet cable
- Step 2** Connect to the camera using any browser or from the mobile app  
For information on connecting to camera, see key feature #1 for Android or key feature #2 for browser connection information.
- Step 3** You will see the camera software update pop-up  
Note:
1. Pop-up will only appear if an update is available
  2. You may have to wait a couple of minutes for the pop-up to appear
- Step 4** Click "Update" button to begin update process
- Step 5** The camera will automatically download the new software, install, and reboot at which point the flat screen preview will re-appear.  
Expected time to completion: about 2 minutes
- Step 6** Check your camera software version number to make sure the update completed successfully



3 Android



3 Browser

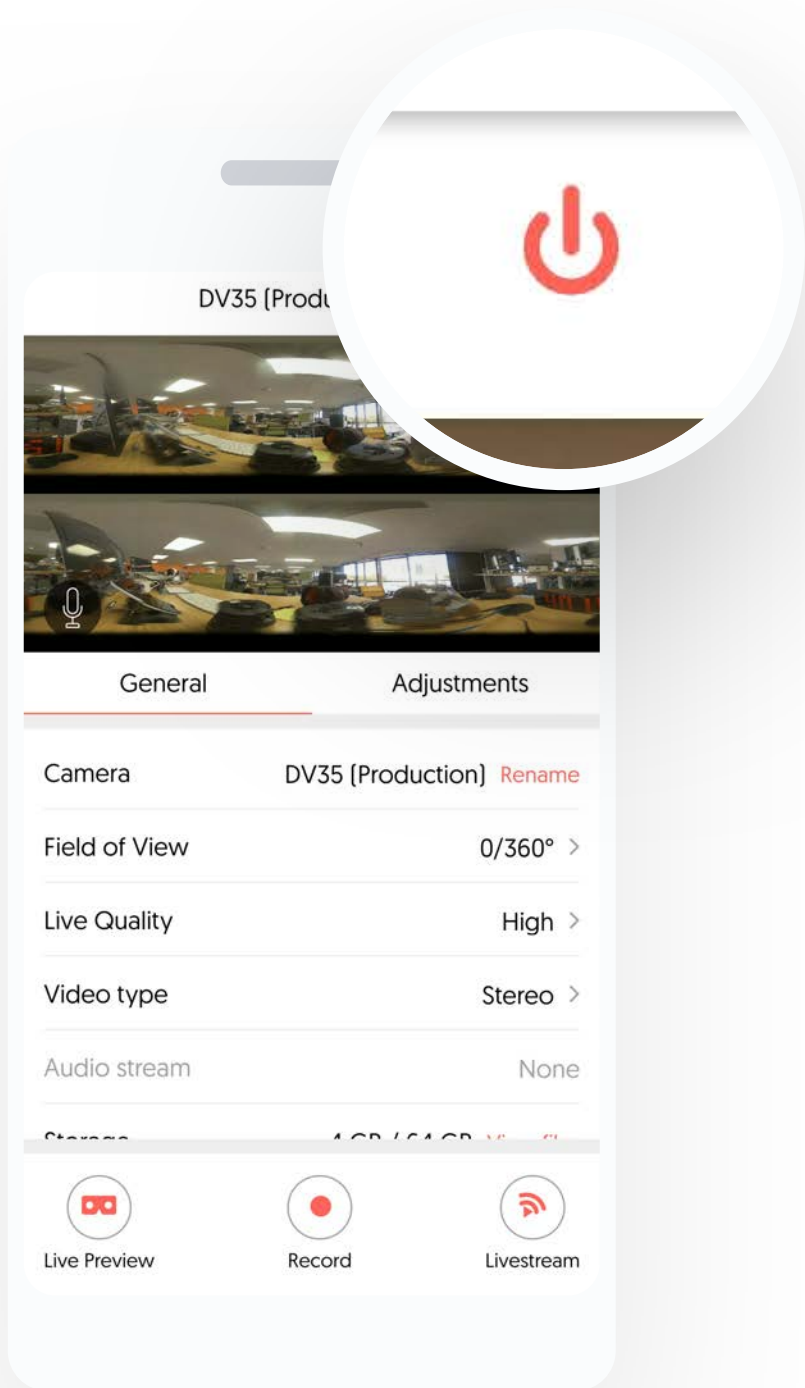


6

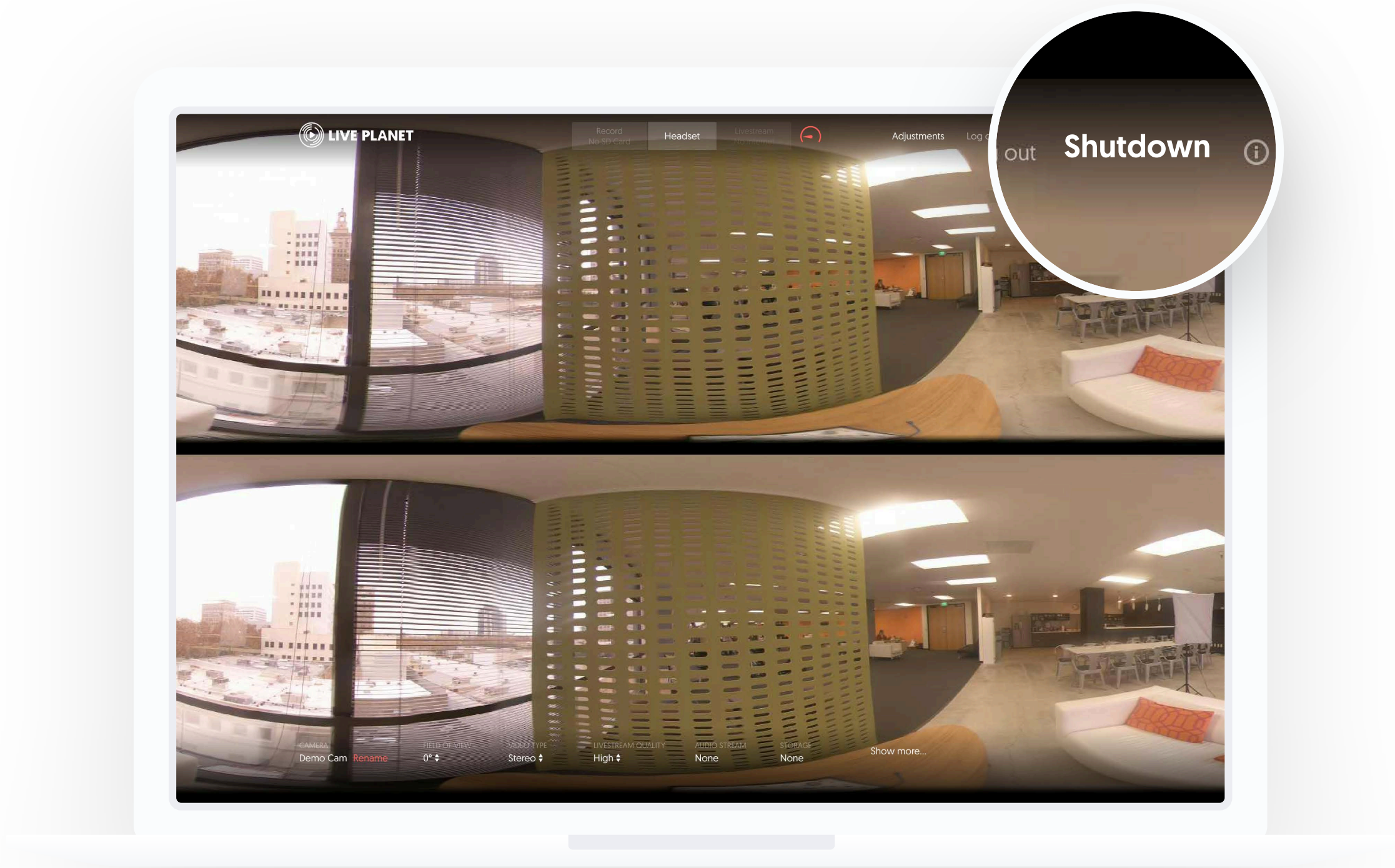


# Camera Shutdown Procedure

To safely power down, click 'Shut Down' in the mobile or web app.



In mobile app



In web app

Tip: To turn the camera back on again, unplug the power cable and plug it back into the camera

# Have questions?

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Feel free to reach out! We're here to help answer any questions you might have.

## Live Planet Support



Get help on our website [support.liveplanet.net](https://support.liveplanet.net)



Email our support team [support@liveplanet.net](mailto:support@liveplanet.net)





**LIVE PLANET™**

**Finally, keep exploring!**

Let's see what new content you can create, then...

**Share your world.**

From everyone here at Live Planet, we hope that you've enjoyed using our VR camera & system that we've poured so much love into.