



RAZER STARGAZER

MASTER GUIDE

Do away with a costly, full green screen setup, when all it takes to set up a professional-grade stream is the **Razer Stargazer** depth-sensing HD webcam. With its 60 frames per second high capture rate, this webcam offers the most lifelike quality to video output. Remove or change backgrounds from your webcam overlay for a more entertaining, and engaging experience for your audience. In addition, 3D scanning of objects and faces adds a layer of immersion to select games and applications. Finally, the Razer Stargazer's advanced facial and gesture recognition will change computing experiences forever.

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1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

PACKAGE CONTENTS

- Razer Stargazer depth-sensing HD webcam
- USB 3.0 cable
- Important Product Information Guide

SYSTEM REQUIREMENTS

- 6th generation Intel® Core™ processor
- PC with a free USB 3.0 port
- 8GB of free hard disk space
- DirectX 9.0
- Intel® HD graphics
- Windows® 10
- 4GB memory
- Internet connection

**Increased system requirements and additional software may be required for certain applications.*

2. REGISTRATION / TECHNICAL SUPPORT

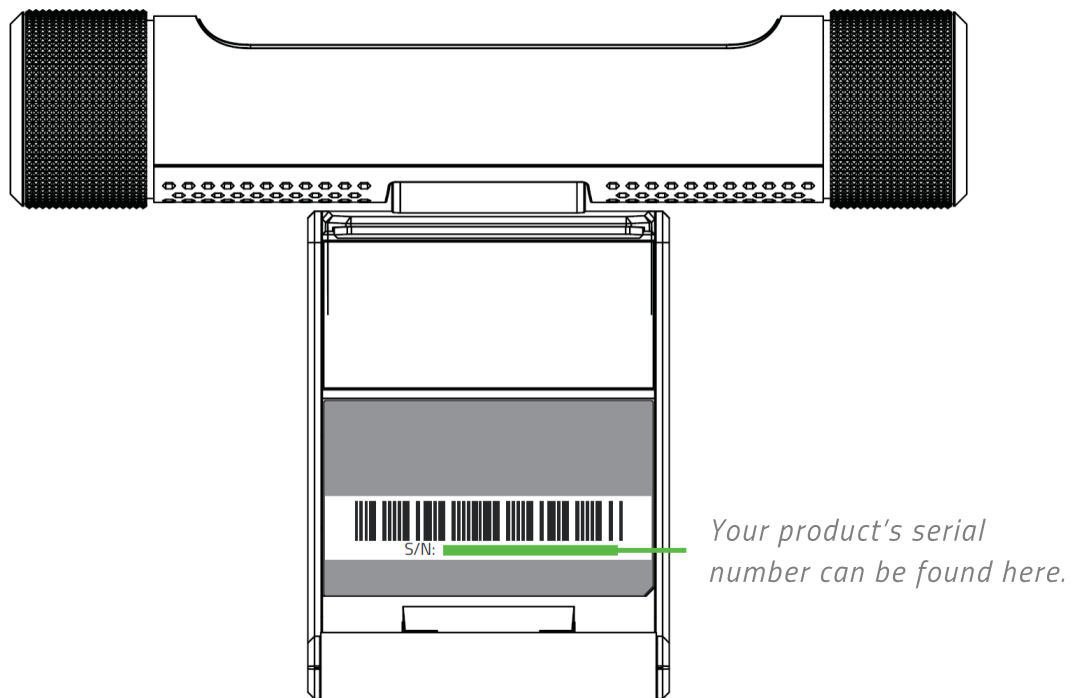
REGISTRATION

Visit razerzone.com/razer-id to sign up for a Razer ID now to get a wide range of Razer benefits. For example, get real-time information on your product's warranty status via Razer Synapse.

To learn more about Razer Synapse and all its features, visit razerzone.com/synapse.

If you already have a Razer ID, register your product by clicking on your email address within the Razer Synapse application and select Warranty Status from the dropdown list.

To register your product online, visit razerzone.com/registration. Please note that you will not be able to view your warranty status if you register via the website.



TECHNICAL SUPPORT

What you'll get:

- 1 year limited manufacturer's warranty.
- Free online technical support at razersupport.com.

3. TECHNICAL SPECIFICATIONS

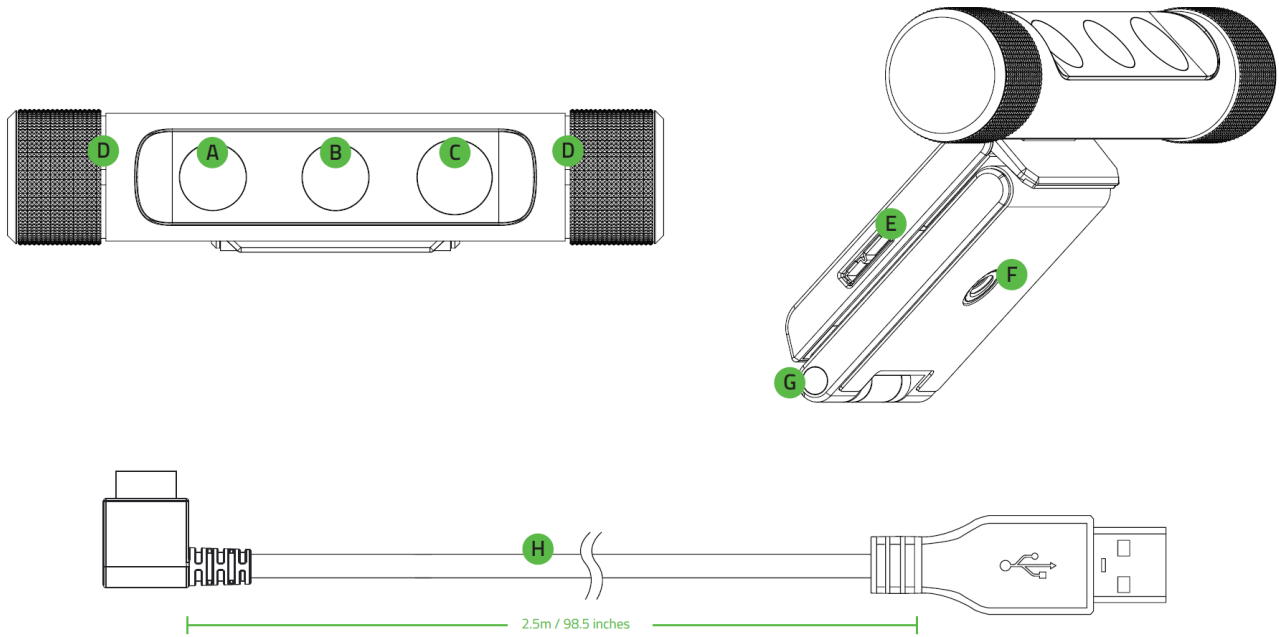
TECHNICAL SPECIFICATIONS

- Ultra-high 60 frames per second capture optimized for streaming (720p max)
- Max 1080p HD video capture
- Automatic noise cancelling dual array mic
- Dynamic background removal
- 3D scanning
- Facial/gesture recognition
- Flexible clip for laptops and desktop monitors
- USB 3.0 connectivity
- Windows 10 only

APPROXIMATE SIZE & WEIGHT

- Length: 92 mm / 3.62 in
- Width: 128.6 mm / 5.06 in
- Height: 28 mm / 1.1 in
- Weight: 194 g / 0.427 lbs

4. DEVICE LAYOUT

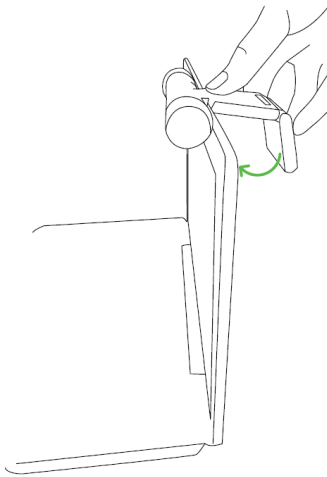


- A. Infrared sensor
- B. Color sensor
- C. Infrared laser projector
- D. Dual array microphone
- E. USB 3.0 port
- F. Mounting hole
- G. Flexible clip
- H. USB 3.0 cable

5. SETTING UP YOUR RAZER STARGAZER

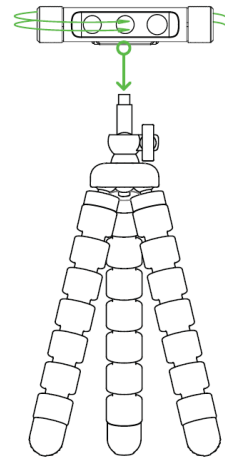
Step 1:

Use the flexible clip to lock the Razer Stargazer on top of monitors or TVs.



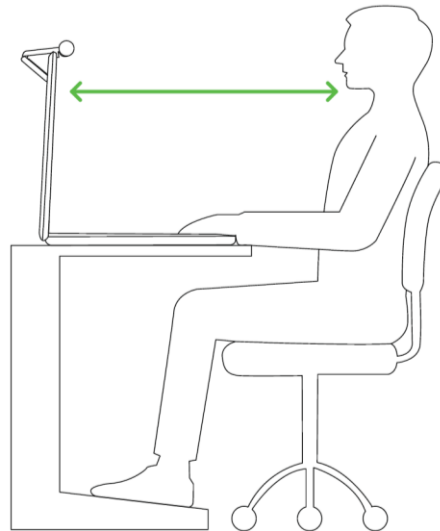
OR

Attach the flexible clip to a tripod* and place it on any irregular or uneven surface.



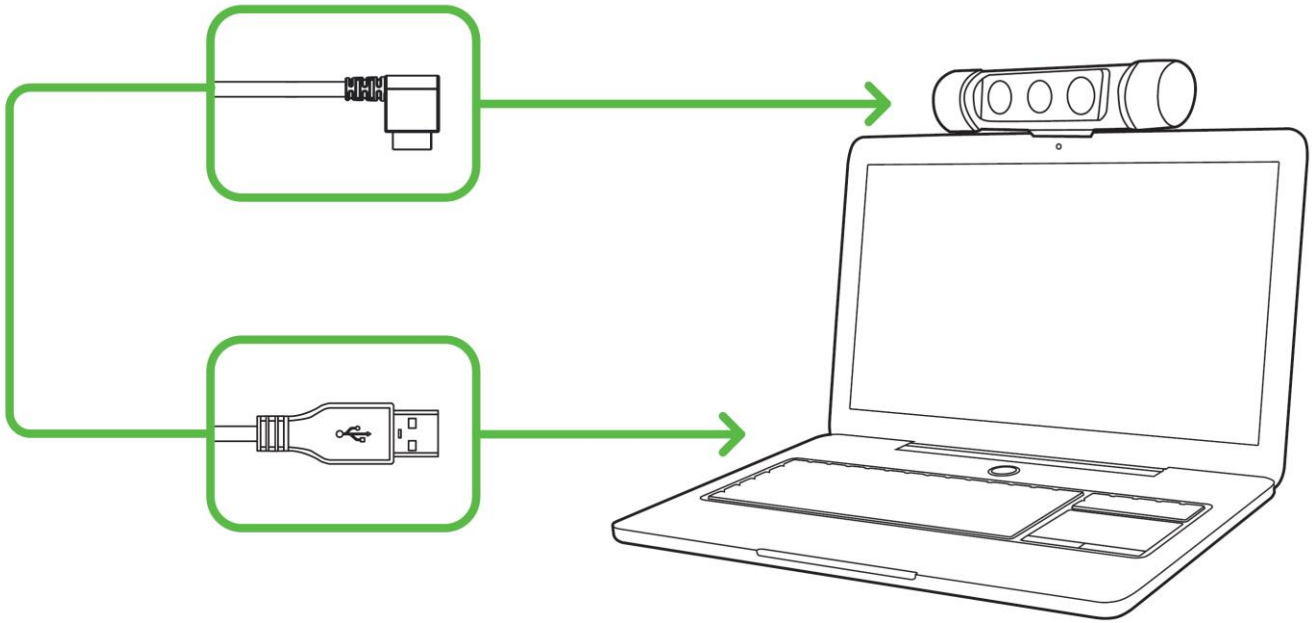
**Not included*

Step 2: Position yourself within 0.2-1.2 meters in front of the Razer Stargazer.



i NOTE: Ensure that your position is free of clutter and moving objects. Move mirrors and other reflective objects that are visible to the camera.

6. INSTALLING RAZER SYNAPSE FOR YOUR RAZER STARGAZER



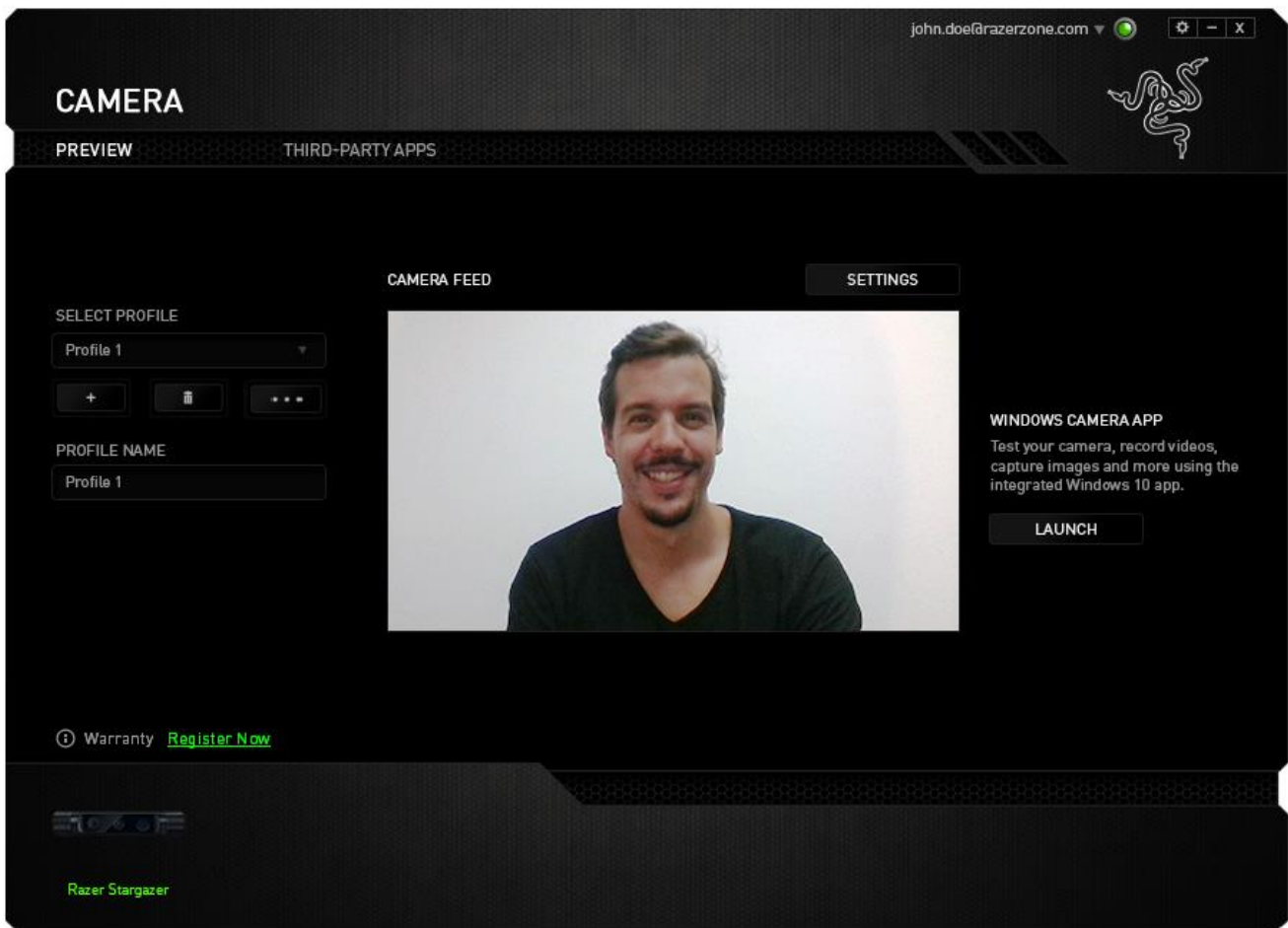
1. Make sure your Razer Stargazer is connected to your computer.
2. Install Razer Synapse when prompted or download the installer from [razerzone.com/synapse](https://www.razerzone.com/synapse).
3. Register for a Razer ID or log into Razer Synapse with an existing account.

7. CONFIGURING YOUR RAZER STARGAZER

i *Disclaimer: The features listed here require you to log in to Razer Synapse. These features are also subject to change based on the current software version and your Operating System.*

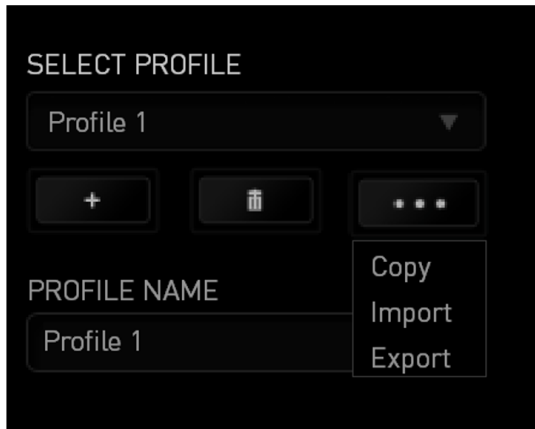
PREVIEW TAB




The Preview tab is your default tab when you first install Razer Synapse. This tab displays your Razer Stargazer's Camera Feed, provides a launch button for the Windows Camera app, and also allows you to customize your device's profiles and camera settings.



Profile

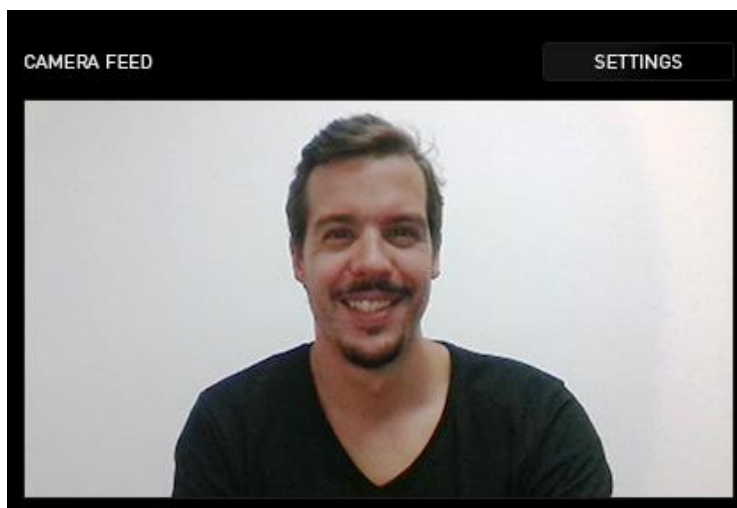
A profile is a convenient way of organizing all your custom settings and you can have an infinite number of profiles at your disposal. Each profile can hold different camera settings you can easily configure through the SETTINGS button. Any changes made within each tab are automatically saved to the current profile and stored into the cloud servers.



You can create a new profile by clicking the  button or delete the current profile by clicking the  button. The  button allows you to Copy, Import, and Export profiles. Your current profile by default is named "Profile" however; you can rename it by typing on the text field below PROFILE NAME.

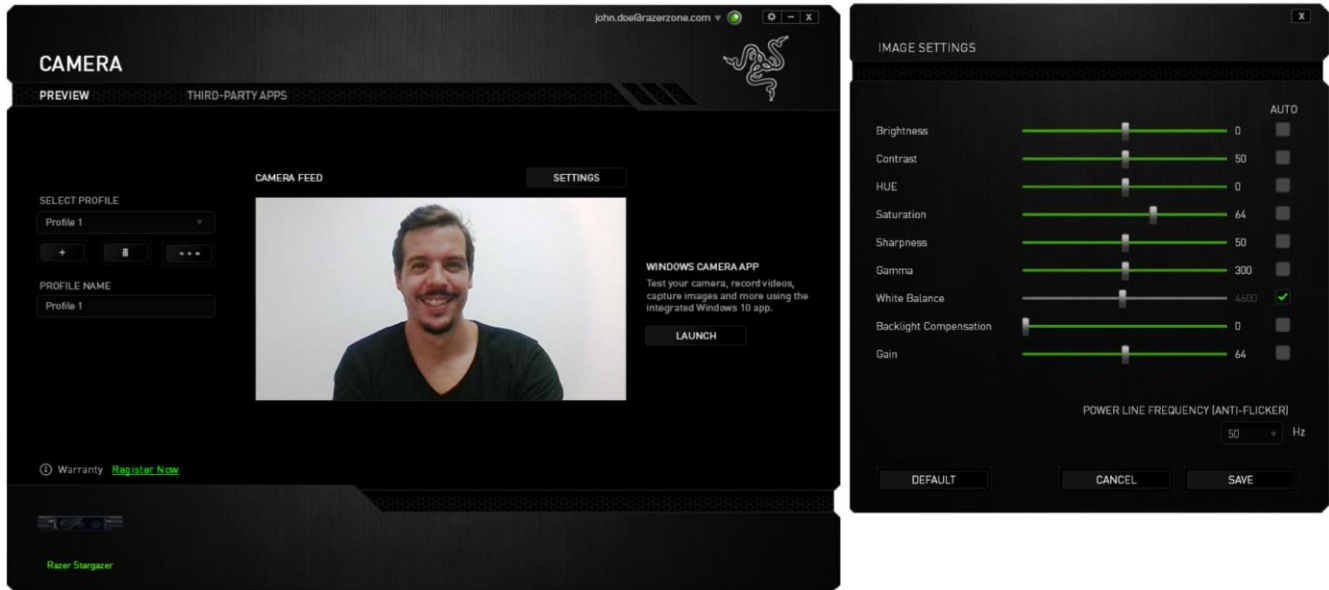
Camera Feed

The Camera Feed shows your Razer Stargazer's current camera view.



Settings

Accessible from the Profile tab is the **SETTINGS** button which you can use to customize your Razer Stargazer's Camera Feed preview. Click this button to open the IMAGE SETTINGS window and begin exploring the customization options available for your camera.



i *NOTE: You may move the Image Settings window away from the Camera Feed to see all changes made on your Razer Stargazer in real time.*


You may reset all changes to its default state through the **DEFAULT** button or remove all made changes and close the Image Settings window through the **CANCEL** button.

Click the **SAVE** button to save all changes made on the Image Settings window. All saved changes would automatically register on the selected profile.

Listed below are the customization options from the Image Settings window:

- **Brightness** – Allows you to control the overall brightness of the Camera Feed.
- **Contrast** – Allows you to highlight the separation of tones within the Camera Feed.
- **Hue** – Allows you to alter the color shade used by your camera.
- **Saturation** – Allows you to change the intensity of the Camera Feed's color
- **Sharpness** – Allows you to adjust the clarity of the Camera Feed.
- **Gamma** – Allows you to control the Camera Feed's gamma level.

- **White Balance** – Allows you to control the Camera Feed’s light source’s color temperature.
- **Backlight Compensation** – Allows you to balance and/or adjust the background and foreground lighting of the Camera Feed, bringing more focus and clarity to subjects in front.
- **Gain** – Allows you to alter the light intensity used in the Camera Feed.
- **Power Line Frequency (Anti-Flicker)** – Allows you to switch the power line frequency of your camera to your country’s power line standard.



 *NOTE: It is highly recommended to change this setting if the Camera Feed’s display flickers. Power Line Frequency (Anti-Flicker) setting may vary from one country to another.*

Windows Camera App

Enables you to capture images or record videos through the integrated Windows Camera app. Click

 LAUNCH

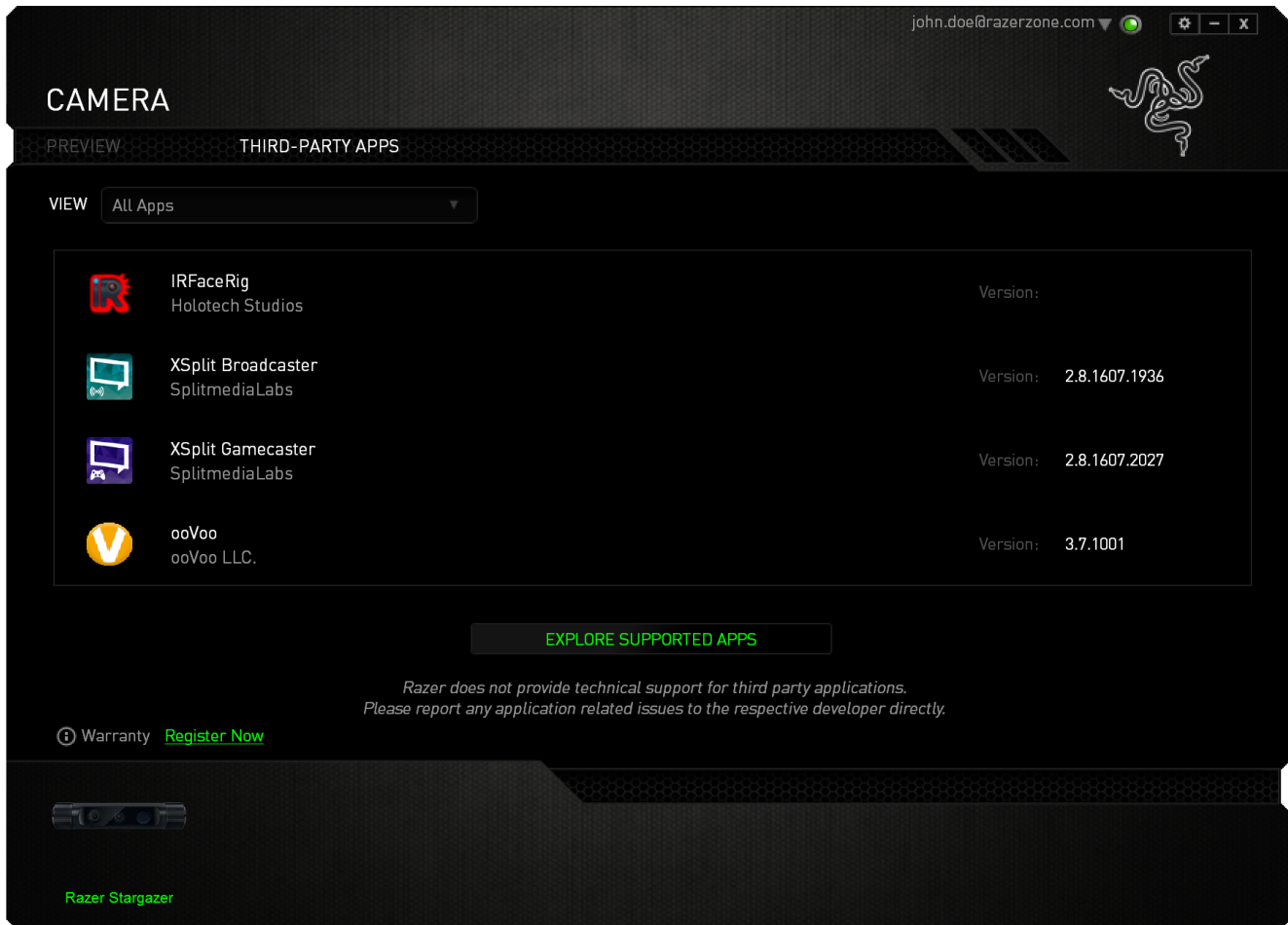
to start the app.

 *NOTE: If you are using a laptop, the Windows Camera app will immediately use your device’s built-in camera. Click the  button to switch to your Razer Stargazer’s camera view.*





THIRD-PARTY APPS TAB

The Third-Party Apps tab provides a list of all Razer Stargazer supported applications installed on your PC / Laptop.

All third-party applications can be sorted by category through the VIEW dropdown list. Categories for the View dropdown list include: All Apps, Free, Paid-For, Dynamic Background Removal, 3D scanning, Facial and gesture recognition, Video/Teleconferencing, Broadcasting, and Games.



The screenshot shows the Razer Stargazer software interface. At the top, there is a window title bar with the text "john.doe@razerzone.com" and standard window controls. Below the title bar, the word "CAMERA" is displayed on the left, and the Razer logo is on the right. A navigation bar contains "PREVIEW" and "THIRD-PARTY APPS" tabs, with "THIRD-PARTY APPS" being the active tab. Below this, there is a "VIEW" dropdown menu currently set to "All Apps". The main content area displays a list of four supported applications:

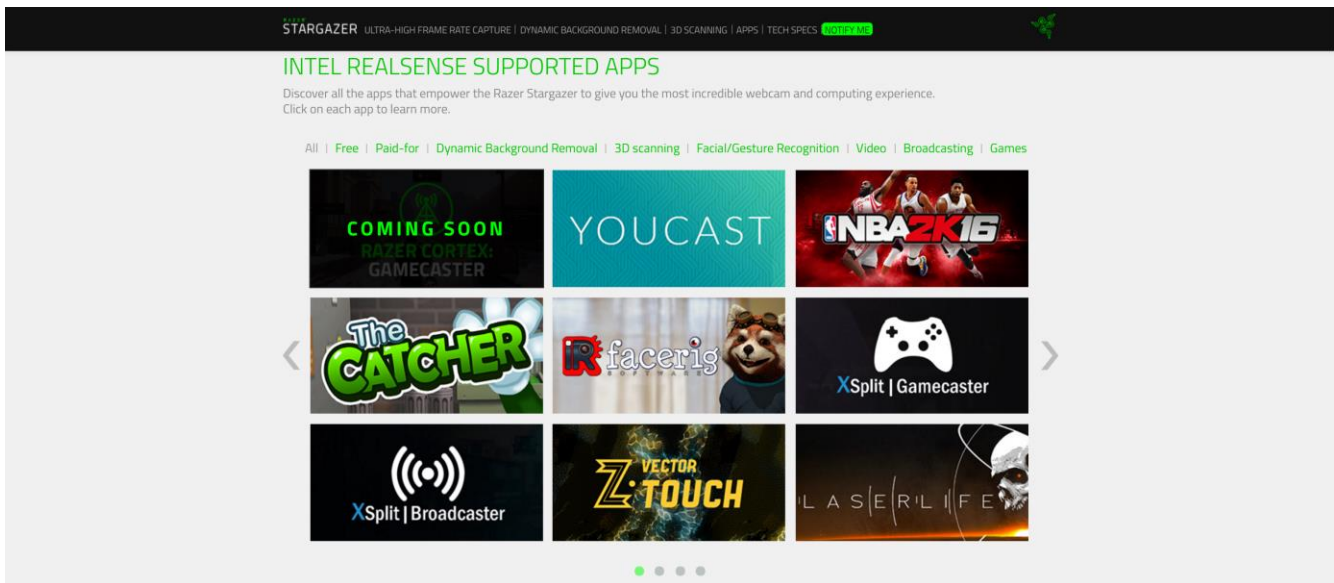
Application Icon	Application Name	Developer	Version
	IRFaceRig	Holotech Studios	Version: [blank]
	XSplit Broadcaster	SplitmediaLabs	Version: 2.8.1607.1936
	XSplit Gamecaster	SplitmediaLabs	Version: 2.8.1607.2027
	ooVoo	ooVoo LLC.	Version: 3.7.1001

Below the list is a green button labeled "EXPLORE SUPPORTED APPS". A disclaimer in italics reads: "Razer does not provide technical support for third party applications. Please report any application related issues to the respective developer directly." At the bottom left, there is a "Warranty" link and a "Register Now" link. At the bottom of the interface, there is a small image of the Razer Stargazer camera and the text "Razer Stargazer".

Intel® RealSense™ Supported Apps

The Razer Stargazer works incredibly well as a standard solution for a wide range of teleconferencing and video recording applications that support most webcams. However, Razer also provides a complete list of third-party applications that can fully maximize your camera's unique features.

Accessible from the Third-Party Apps tab is the [EXPLORE SUPPORTED APPS](#) button which will redirect you to Razer Stargazer's Intel® RealSense™ Supported Apps section. Feel free to browse, explore, and download supported applications that fit your needs. It will be recognized in Razer Synapse as being enabled and integrated.



i NOTE: Some third-party applications are trial-based and/or require purchase to use. These may also require download and/or installation of additional Software Development Kits (SDKs) or modules. Please make sure to allow or install all software pre-requisite installation prompts. Do take note that these may vary from one app to another.

9. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer Stargazer, we suggest that you adopt the following guidelines:

Should you have trouble operating the device properly and troubleshooting does not work, unplug the device and contact the Razer hotline or go to [razersupport.com](https://razer.com/support) for support. Do not attempt to service or fix the device yourself at any time.

Do not take apart the device (doing so will void your warranty) and do not attempt to operate it under abnormal current loads.

Keep the device away from liquid, humidity or moisture. Operate the device only within the specific temperature range of 0°C (32°F) to 40°C (104°F). Should the temperature exceed this range, unplug and/or switch off the device in order to let the temperature stabilize to an optimal level.

MAINTENANCE AND USE

The Razer Stargazer requires minimum maintenance to keep it in optimum condition. Once a month we recommend you unplug the device from the computer and clean it using a soft cloth or cotton swab with a bit of warm water to prevent dirt buildup. Do not use soap or harsh cleaning agents.

10. LEGALESE

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GENERAL

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