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USB 3.0 HD Video Capture Device - 1080p

USB3HDCAP

*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

Manual Revision: 06/27/2014

FCC Compliance Statement

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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by 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.

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Table of Contents

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Product Diagram

Front View

HDMI audio/video input port

DVI video input port

A/V breakout cable input port
(For Component, S-Video, and composite video input + RCA audio input)

Power LED

Rear View

USB 3.0 port

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Introduction

Packaging Contents

- 1x USB 3.0 HD video capture device (USB3HDCAP)
- 1x A/V breakout cable
- 1x DVI to VGA video adapter
- 1x USB 3.0 cable
- 1x Software installation disc
- 1x Instruction manual

System Requirements

Computer system with:

- Available USB 3.0 port
- CPU: i3 Dual Core 2.8GHz or higher
- RAM: 2GB or higher
- Microsoft® Windows® XP/Vista/7/8/8.1 (32/64-bit)
- HDMI/DVI/VGA/Component/S-Video/Composite audio/video source with cabling (DVD, DVR, VCR, Etc.)

Notes:

- The USB3HDCAP requires a USB 3.0-equipped computer. This product is not backwards compatible with USB 2.0/1.1.
- The USB3HDCAP product will not record digitally encrypted content (e.g. DVDs, Blu-rays, etc.).
- This product is not compatible with Etron USB controllers, or ASMedia 1042 / 1042A USB controllers.

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Installation

Software Installation

Note: Please complete the Software Installation steps prior to Hardware Installation steps.

1. Download the latest software from the StarTech.com website **(recommended)**
   or
   Insert the included driver and software installation disc into your DVD-ROM drive.

2. Locate and run the Setup application (Setup.exe). This file will be located in the main file directory.
   Note: If using the included software installation disc, the software may begin automatically.

3. The driver installation program will begin. If a Windows Security dialog window appears, click the "Run" or "Install this driver software anyway" option to proceed.
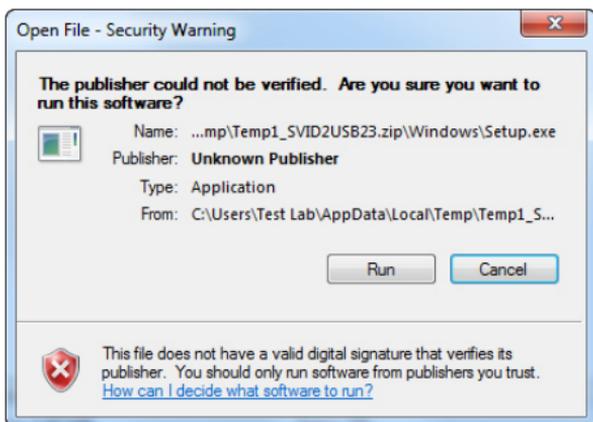
4. The installation wizard will now walk you through the steps for all driver and software installation. You will be prompted to confirm and continue the installation process several times. Please follow the on-screen prompts in order to complete the software installation.
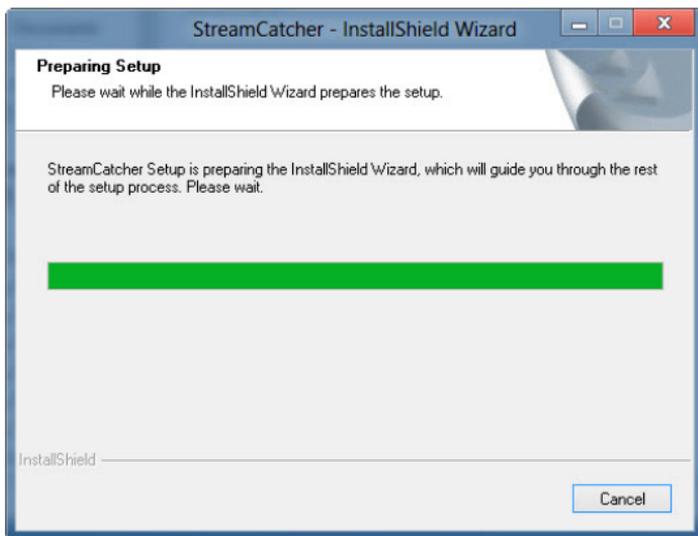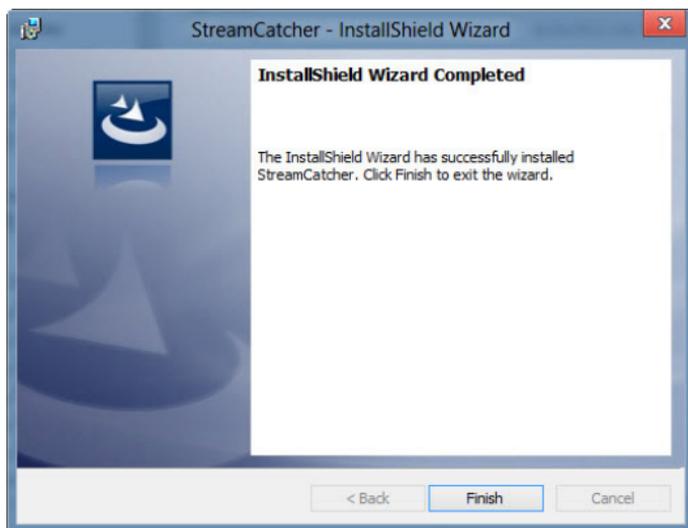
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Illustration of the Windows InstallShield during the installation process.

5. When prompted, click "Finish."

Note: You will be required to restart your computer after completing installation.

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Hardware Installation

Note: Please ensure the Software Installation steps have been completed prior to beginning Hardware Installation steps.

1. Using the included USB 3.0 cable, connect the USB3HDCAP to an available USB 3.0 port on your computer system.

USB3HDCAP

USB 3.0 Cable

Computer System

2. Using the required video source cabling (not included) connect your video source (DVD, DVR, VCR, Etc.) to the USB3HDCAP.

Required Video Source Cabling

Video Source Device
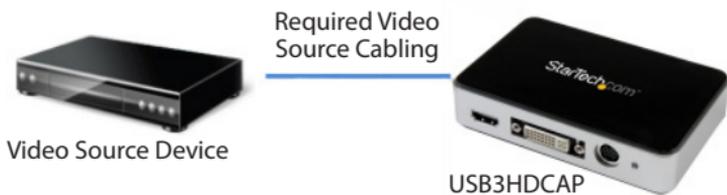
USB3HDCAP

a. If your video source is Component, S-Video, or Composite, use the included A/V breakout cable to connect your Audio/Video source cabling to the A/V breakout cable input port on the USB3HDCAP. Please see Product Diagram on Page 1 for reference.

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A/V Breakout Cable

Component Video Source

S-Video/Composite Video Source
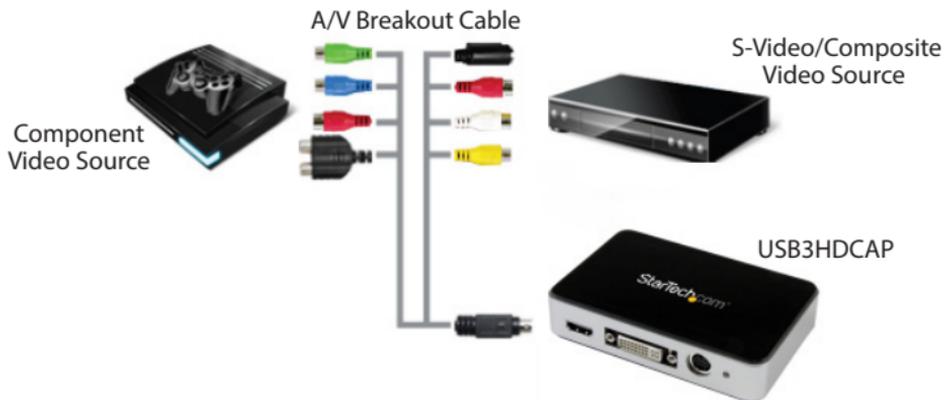
USB3HDCAP

b. If your video source is HDMI or DVI, connect your audio/video source cabling directly to the HDMI audio/video input port or DVI video input port (respectively) on the USB3HDCAP.

HDMI Video Source Device

USB3HDCAP

Audio/Video Source Cabling

DVI Video Source Device

c. If your video source is VGA, use the included DVI to VGA video adapter to connect your VGA video source cabling to the DVI video input port on the USB3HDCAP (Please see the diagram on the next page for reference).

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VGA Video
Source Device

Video Source Cabling

USB3HDCAP

d. (Optional) If you would like to capture a 2-channel RCA audio source along with your video source, connect your RCA audio source cable to the A/V breakout cable input port on the USB3HDCAP along with your desired video source cabling.

VGA Video
Source Device

Video Source Cabling

USB3HDCAP
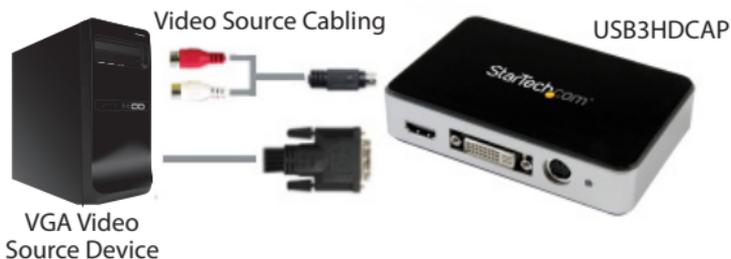
Hardware installation is now complete.

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Software Operation

1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.

2. AutoPlay should automatically prompt you to run the Setup application file (Setup.exe). If not, open "My Computer" and double-click on the CD/DVD drive. Double-click the Setup Application (Setup.exe) icon.

3. Proceed through the Installation wizard.

4. Complete the wizard and this should automatically install all necessary driver software. An icon for "StreamCatcher" should now be on your desktop.

How to Use

Connect the audio/video source to the video capture card using the appropriate cable(s). To connect a VGA source, use the included DVI to VGA adapter. If you wish to input audio from a source other than HDMI, make sure to connect the breakout cable and connect the audio source using stereo RCA cables (red/white).

Stream Catcher

Launch Application

Double-click the "StreamCatcher" icon on the desktop to launch the video capture application. This will bring up the main menu screen that contains the video preview window and recording controls. Additional options and configurations can be accessed through the Main Menu (Please see Main Menu Illustration on Page 9).


StreamCat...

Initial Setup Note: If you have a video source connected but are not able to view anything in the video window, go to the "Settings" section first to make sure the device is configured properly. If using an HDCP-protected video source (i.e. retail Blu-Ray movie), this will also result in the video preview/capture window not being visible.

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Menu

Video Window

Record/Stop Button

Snapshot Button

Volume Control

* screenshots are for reference only

Manually recording video can be done by simply pressing the "Record" button from the control menu along the bottom of the Stream Catcher window. The frame around the video window will turn red while recording. When you would like to stop recording, press the "Stop" button. The "Snapshot" button allow you to take screen capture of the video stream.

Snapshot Files

Clicking this button will open the folder location where all of the snapshot files are saved in Windows.

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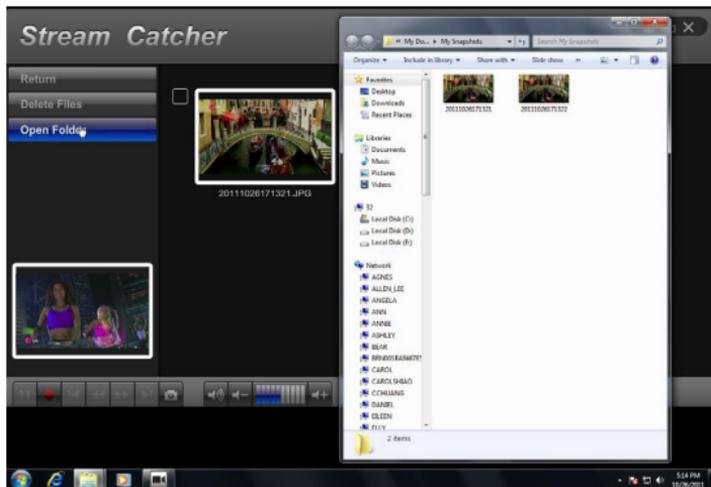
Record Files

Clicking this button will open the folder location where all of the recorded video files are saved in Windows.

Schedule Recording

The software can be set up to start recording at a specific date and time. Also, you can set this automatic recording option to occur once or multiple times. Set up the schedule and click the "Add" button to save it. Multiple schedules can be maintained at the same time. To remove a schedule, simply select it from the list and click the "Delete" button.

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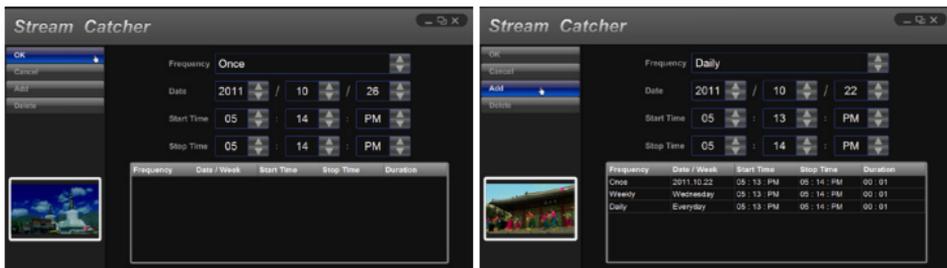
Settings

The Settings menu is broken into different sections for configuring various aspects of the software. System Settings contains configuration options for the user interface.

Device Settings

The Device Settings contains configuration options for the video capture hardware. Video and audio input source (HDMI, component, DVI/VGA), video system (NTSC/PAL), aspect ratio and video properties (sharpness, contrast, saturation, hue, brightness) can all be adjusted from this menu.
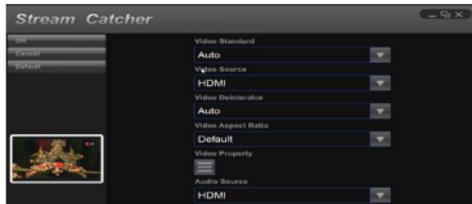
Record Settings

Contains settings related to video recording and snapshots. The location to save recorded video files as well as recording quality can be configured. The location to save the snapshot images and file format (JPG, BMP) is also set here.

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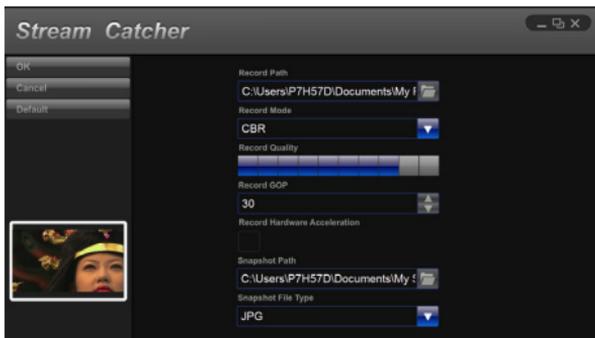
Video Streaming

Streaming using RTMP Streaming Service Provider

1. Obtain the RTMP settings for your video streaming service. The below steps show how to obtain these settings from Justin.TV and Twitch.

   Note: Steps may vary from different streaming service providers. Please contact your service provider for specific details.

For Justin.tv

1. Open your web browser and browse to the following website:

   http://www.justin.tv

2. Log in and select "Dashboard" from "Manage your account."
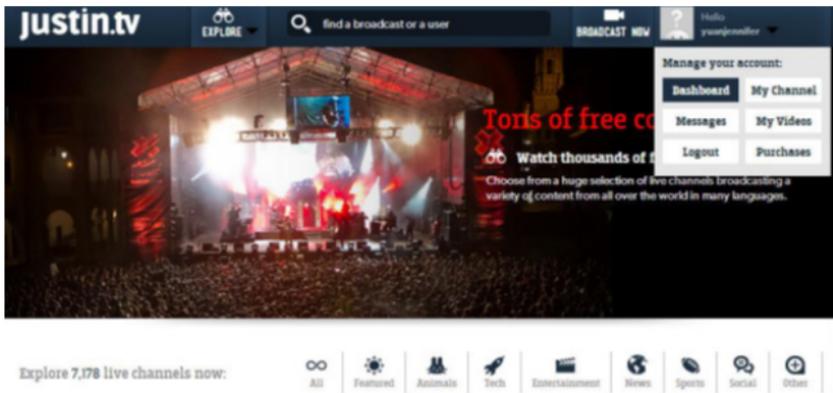
3. Select "My Channel" from the left side menu, followed by "INFO."

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4. In the lower section of this page, you will find "Stream Key: Show." Click "Show" and the Stream Key will appear.

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For Twitch

1. a) Open your web browser and browse to the following website:

    http://www.Twitch.tv

b) Log in and select "Dashboard" from your account drop down menu.
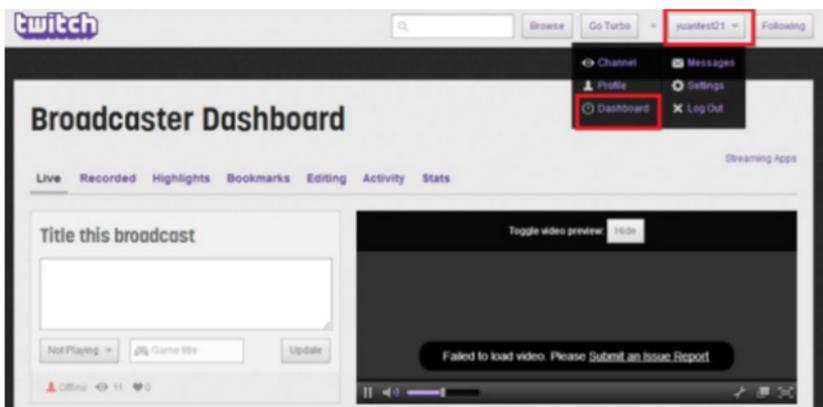
c) In the top right select "Streaming Apps."
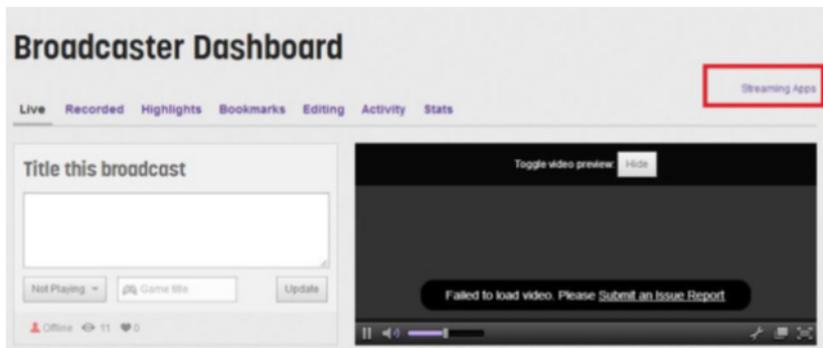
d) Click the "Show Key" button and the key will appear.

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2. Open the Steam Catcher Program and then select RTMP.
   Note: RTMP (Real Time Messaging Protocol) is a standard for streaming audio/video over the Internet.

3. Obtaining the streaming URL from your streaming service provider.
   Note: This is specific to your service provider and will likely contain the key located in Step 1.

4. In the field marked "Streaming Public URL," type the public URL for your streaming service followed by your stream key.
   Note: This will be specific to your service. In the example below we are using Justin.tv. The Justin.tv URL is comprised of "rtmp://live.justin.tv/app/" followed by your stream key.

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5. Return to the screen catcher home page and click the blue record dot (pictured below).

6. The video will now be streamed to your streaming service.

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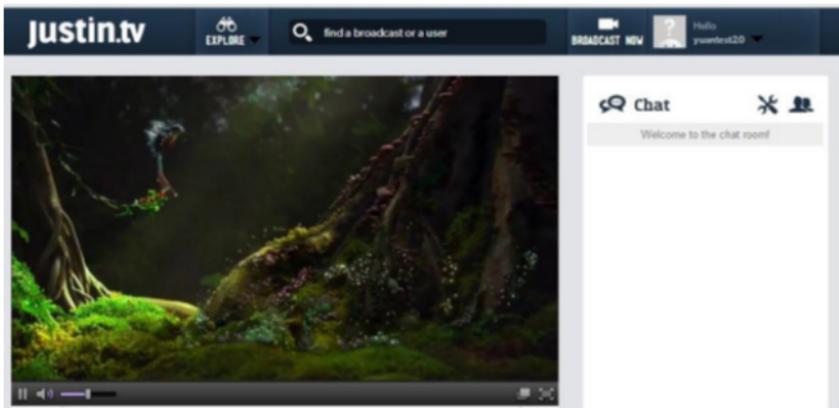
Streaming with HLS using AppServ

1. Download and install AppServ from the following URL:

   http://www.appservnetwork.com/
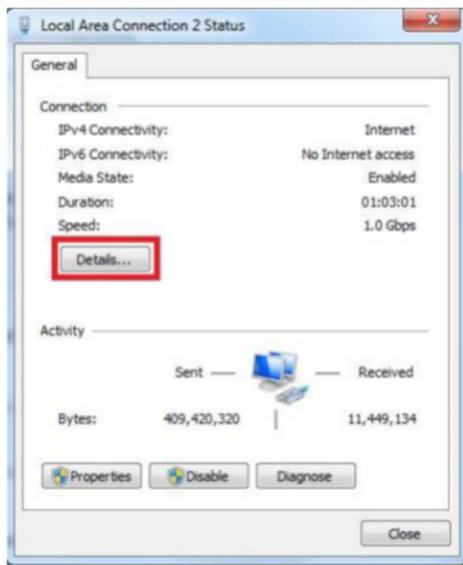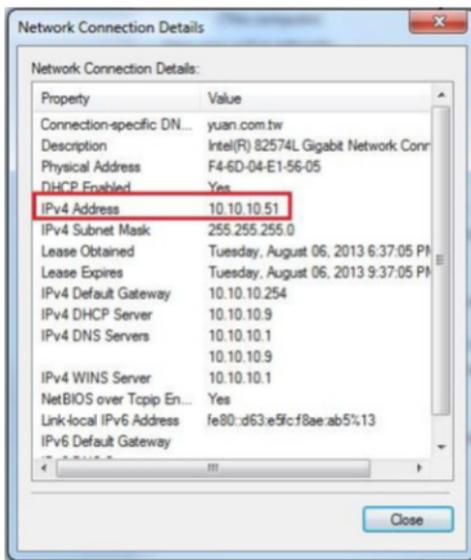
2. Locate your IP address.

Windows 8

a) Open Control Panel

b) Click Network and Sharing Center

c) Click Local Area Connection 2

d) Click the Details button

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e) Your IP Address is displayed.

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Note: Steps for obtaining IP address will vary for different operating systems. Please contact your system administrator for further details.

3. Open the Steam Catcher Program and then select HLS.

4. In the Streaming Public URL, type your IP address followed by, "/live/session0.m3u8."

5. Return to the screen catcher home page and click the blue record dot (pictured below).

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6. Using a different device on your network (Tablet, laptop, etc.) open the web browser and then type the full URL used in Step 5. The URL is built using your computer IP address with, "/live/session0.m3u8" added at the end.

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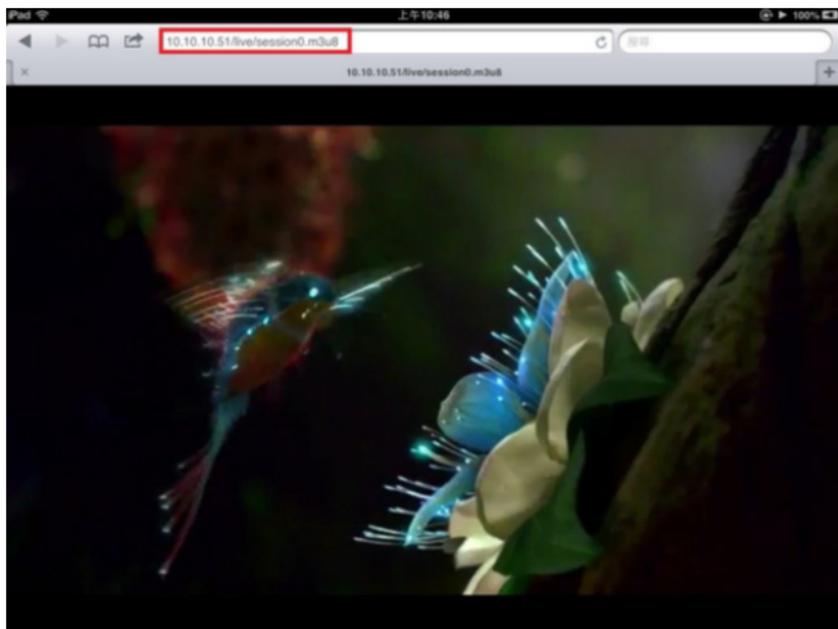
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