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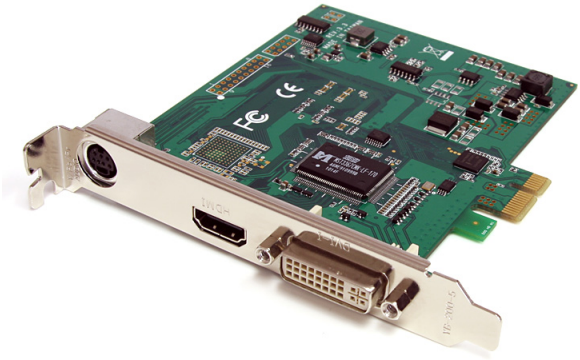
PCI Express Video Capture Card for HDMI®, DVI and Component - 1080p

PEXHDCAP



*actual product may vary from photos

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Manual Revision: 03/28/2014

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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Introduction

The PEXHDCAP PCI Express HD Video Capture Card enables you to capture high-definition video and audio from an HDMI®, DVI or Component (1080p) source to your computer through a PCI Express expansion slot.

Support for full 1080p video input, as well as HDMI and RCA stereo audio makes this HD capture card the perfect solution for creating digital copies of your videos for editing and compiling. The added versatility of 3 different video inputs (HDMI, DVI, Component), plus the ability to capture VGA input using the included DVI to VGA adapter, gives you the freedom to connect a multitude of audio-video devices to your computer, quickly and easily.

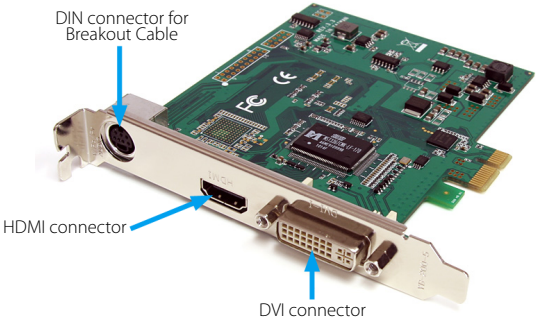
This PCI Express capture card supports NTSC and PAL systems, and comes complete with an easy to use video capture software suite, allowing you to record video or take still screenshots and save them to your PC.

Packaging Contents

- 1 x PCI Express Video Capture Card
- 1 x RCA Component Breakout Cable
- 1 x DVI to VGA Adapter
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- PCI Express enabled computer system with available PCIe slot
- CPU: Intel Core 2 Duo (for 720p capture)
  Intel Core i5 (for 1080p capture)
- Memory: 1 GB
- Video: DirectX 9.0c Compatible Graphics Card



Installation

WARNING! PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI Express card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI Express card by its edges and not the gold connectors.

Hardware Installation

1. Turn your computer off and any peripherals connected to the computer (i.e. Printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer and disconnect all peripheral devices.
2. Remove the cover from the computer case. See documentation for your computer system for details.
3. Locate an open PCI Express slot and remove the metal cover plate on the rear of the computer case (Refer to documentation for your computer system for details.). Note that this card will work in PCI Express slots of additional lanes (i.e. x4, x8 or x16 slots).
4. Gently insert the card into the open PCI Express slot and fasten the bracket to the rear of the case.
5. Place the cover back onto the computer case.
6. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

Driver/Software Installation

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 "Setup.exe". If not, open "My Computer" and double-click on the CD/DVD drive. Double-click the "Setup.exe" icon.
3. Proceed through the Installation wizard.
4. Complete the wizard and this should automatically install all necessary drivers/software. An icon for "StreamCatcher" should now be on the desktop.

How to Use

Connect the video/audio 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

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.

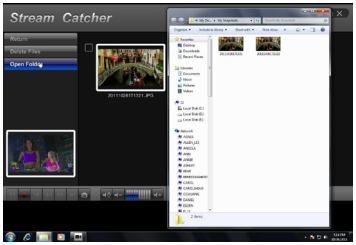
Initial Setup Note: If you have a video source connected, but are not able to view anything in the video window, go to the "Settings" section first, to make sure the "device" is configured properly. If using an **HDCP protected** video source (i.e. retail Blu-Ray movie), this will also result in no video preview/capture.

*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 wish to stop recording, press the "Stop" button. The "Snapshot" button allows of taking a screen capture of the video stream.

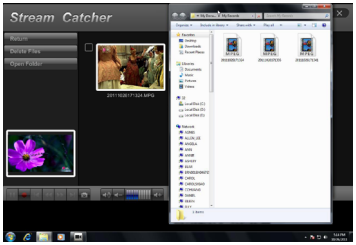
Snapshot Files

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



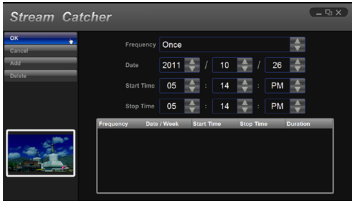
Record Files

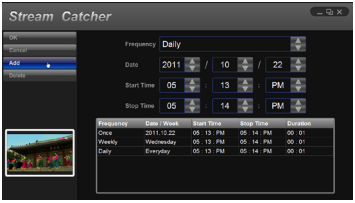
Clicking this button will open the folder location where all of the recorded video files are saved in Windows.



Schedule Recording

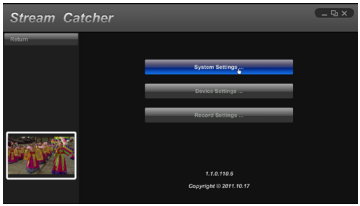
The software can be setup to start recording at a specific time and date and occur once or multiple times. Setup the schedule and click the "Add" button to save it. Multiple schedules can be maintained at the same time. To remove a schedule, simply select it from the list, and click the "Delete" button.





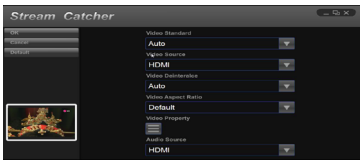
Settings

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

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) are also set here.

Video Streaming

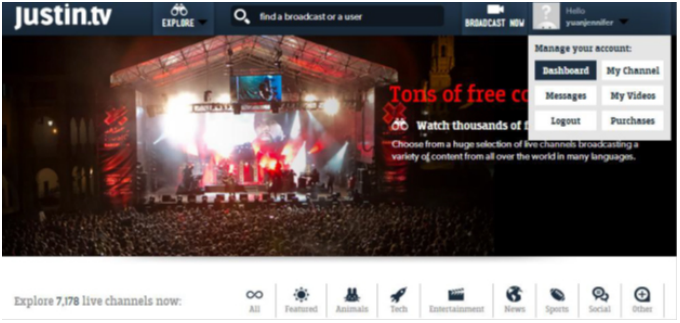
Streaming using RTMP Streaming Service Provider

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

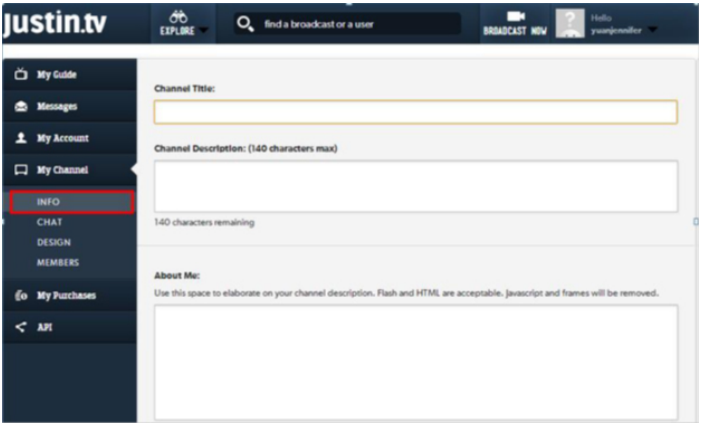
Note: Steps may vary from different streaming service providers, please contact your service provider for specific details.

For Justin.tv

1. Open your web browser, and browse to the following website: **http://www.justin.tv**
2. Login and select Dashboard from manager your account.



3. Select My Channel from the left side menu, followed by INFO

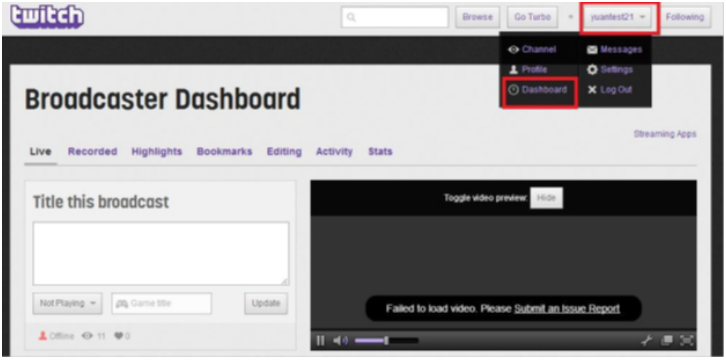


4. In the lower section of this page, you will find Stream Key: Click Show, you will see the key.

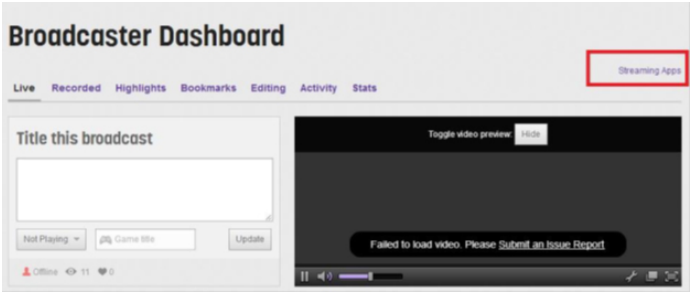
For Twitch

1. a) Open your web browser, and browse to the following website: **http://www.Twitch.tv**

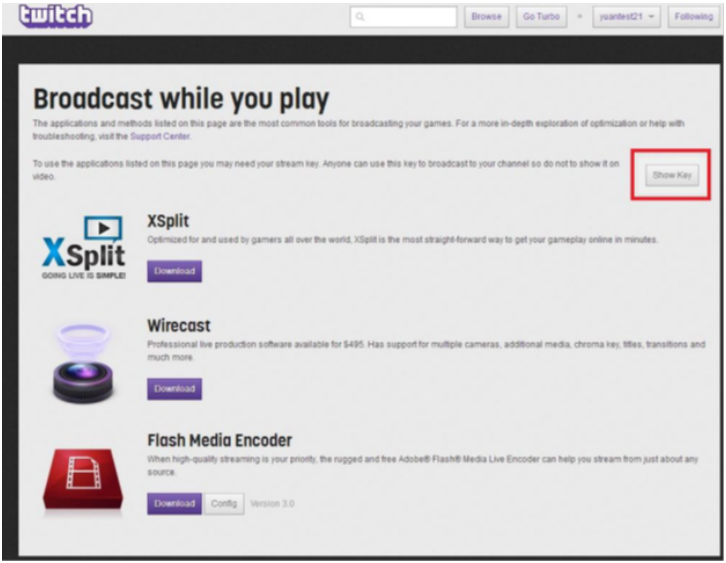
   b) Login and select Dashboard from your account drop down menu.



   c) In the top left select Streaming Apps.



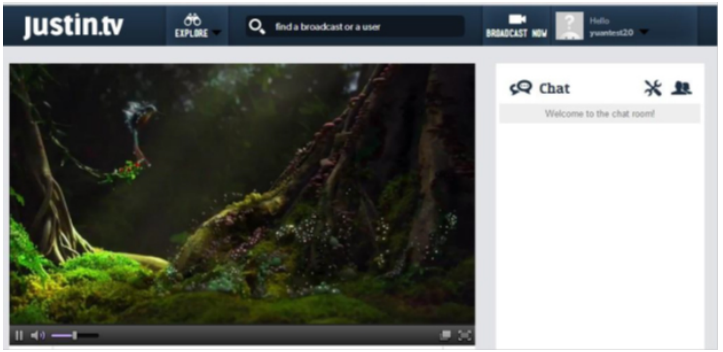
d) Click the Show Key button, you will see the key.



2. Open the Stream Catcher Program, and then select RTMP
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 the Step 1.)
4. In the field marked Streaming Public URL, type the Public URL for your streaming service followed by.
   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.

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

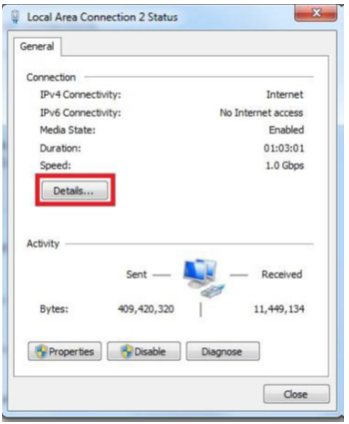
6. The video will now be streamed to your Streaming service.



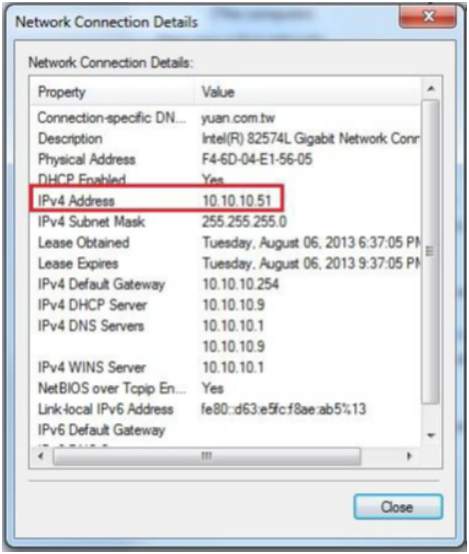
Streaming with HLS using Appserve

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

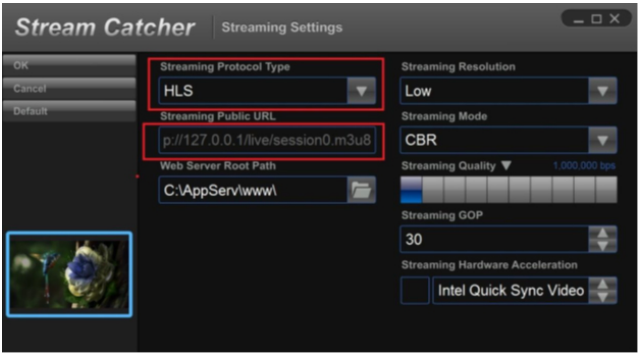


   e) The IP Address is displayed.



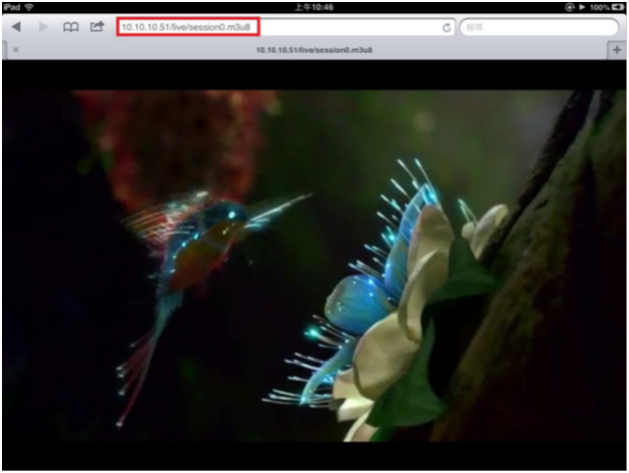
Note: Steps for obtaining IP address will vary from operating systems. Please contact your system administrator for further details

3. Open the Stream Catcher Program, and then select HLS
4. In the Streaming Public URL, type your IP address followed by: live/session0.m3u8



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

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


iPad
上午10:46
100%
10.10.10.51/live/session0.m3u8
10.10.10.51/live/session0.m3u8

Specifications

Host Interface	PCI Express (x1 slot connector)
Form Factor	Standard (Full) Profile
Chipset ID	MStar MST3367CMK-LF-170
External Connectors	1 x 29-pin DVI-I female 1 x HDMI type A female 5 x RCA female (via breakout cable)
Audio Support	Yes (Stereo)
Video Systems	NTSC-M, PAL-B/M/60
Video Encoding	H.264, MPEG-4
Supported Resolutions	**TV:** 480i/p, 576i/p, 720p, 1080i/p **PC:** 800 x 600, 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)
Dimensions (LxWxH)	96.0mm x 10.0mm x 110.0mm
Weight	300g
Compatible Operating Systems	Microsoft® Windows® XP/ Vista/ 7 (32/64-bit)

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For the latest drivers/software, please visit **www.startech.com/downloads**

Warranty Information

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