

Basic Setup – Live Streaming Basic

I want to:

- ✓ Use one external camera source and possibly a built-in webcam
- ✓ Send out one SD Stream and record one local copy of that stream to disc
- ✓ Use lower thirds, transitions and also apply a watermark
- ✓ Include a Powerpoint presentation via Desktop Presenter

Stream Resolutions

Stream 1: 480x360@30fps (Flash, WM, or QT)
Local copy: 480x360@30fps (Flash, WM, or QT)

Suggested Setup

1 x SD Camera
1 x Built-in camera (iSight/Facetime or built-in webcam)
1 x Mac or Windows computer running Desktop Presenter (can even be the Wirecast machine) to bring in desktop or other sources via LAN

SD/HD Webcams

- Logitech C910*
- Microsoft LifeCam Cinema (Windows)
- Canon Vixia HV30/40-HDV camera also has DV(SD) mode

Built in cameras

Wirecast should work well with all computer built-in cameras. If you are uncertain, download a trial of Wirecast and test with your computer camera.

Internet connection

High-Speed DSL (Estimated 768 kbps upstream bit rate)

Computer

We suggest a computer with the following minimum requirements:

CPU: 1.83 GHz Intel Core Duo and up
Graphics: IntelGMA 950 (64MB)
Resolution: 1440x900
Memory: 2GB RAM
Hard Drive: Enough storage for local archive

An example that fits this description would be a Mac mini.
Note, the Mac mini will not include a built-in webcam. If you prefer to use a built-in webcam, take a look at the lower end iMacs or a Windows machine with similar attributes.

*Currently works only in SD mode.



Advanced Setup – A Simple Studio

I want to:

- ✓ Use three camera inputs
- ✓ Record my audio using an external microphone
- ✓ Create two higher resolution streams and record one local copy to disc
- ✓ Use a green screen, lower thirds, transitions and also apply a watermark

Stream Resolutions

Stream 1:	320x180@25fps (Flash, WM or QT) or:	640x360@30fps (Flash)
Stream 2:	720x405@25fps (Flash, WM or QT) or:	640x360@30fps (QT)
Local copy:	960x540@30fps (Flash, WM or QT) or:	640x360@30fps (QT)

Suggested Setup

2 x HDV cameras (each FW HDV device requires a separate Firewire Bus. Generally this means an additional Firewire card in a PCIe or Express-34 slot)
 1 x Webcam/SD Cam
 1 x Sony SNC-RZ50 IP camera
 1 x Microphone

HDV Cameras that we recommend

- Canon Vixia HV40
- Sony PMW-EX1R
- Sony HVR-V1U

Webcam/SD Cameras that we recommend

- Logitech c910 (SD)
- Microsoft LifeCam Cinema (Windows)
- Built in Webcam such as the iSight

External Microphone (Don't forget headphones!)

Yeti Mic from Blue (USB) or other USB mic

Internet connection

High-Speed Cable (Estimated 2Mbps uprate)

Computer

We suggest a computer with the following minimum requirements:

CPU:	2.53GHz Intel Core i5
Graphics:	Nvidia GeForce GT 330M (256MB)
Resolution:	1440x900
Memory:	4GB RAM
Hard Drive:	Enough storage for local archive



An example that fits this description would be a MacBook Pro. A similarly equipped Windows machine would also work.

Customer Example



Geek Gamer Weekly Host Chase Nunes, takes us behind the scenes in the Geek Gamer Radio studio, and shows us how they make the show from a technical perspective. Chase demos a lot of Wirecast functionality along with his co-host Jon Kessler while Skyping in their friend Joe (Joseph Falbey), using our Desktop Presenter program – [View customer example](#).

Pro Setup – Advanced Studio or Multi-camera Live Event

I want to:

- ✓ Bring in Pro/consumer HDMI/SDI Cameras
- ✓ Bring in Audio using a multichannel audio mixer
- ✓ Create a 720p, a 360p webstream and a 720p recorded archive of my stream
- ✓ Use a green screen, lower thirds, transitions and also apply a watermark

Stream Resolutions

Stream 1: 640x360@30fps (Flash, WM or QT)
 Stream 2: 1280x720@30fps (Flash, WM or QT)
 Local copy: 1280x720@30fps (Flash, WM or QT)

Suggested Setup

2 x HDMI sources (Such as Camcorders)
 1 x SDI camera source
 1 hardware audio mixer

Cameras that we recommend

- Canon XA10 (HDMI)
- Canon XF100 (Has HDMI output as well as an HD-SDI model)
- Sony PMW-EX1R (Has HDMI, HDV, and HD-SDI outputs)

HDMI/ SDI Capture Cards and other ways to bring in HD Video

(For supported capture cards, go to www.telestream.net/telestream-support/wire-cast/faq.htm#2-01)

NOTE: Dell hardware does not support Blackmagic capture cards

- Blackmagic Decklink Studio Extreme (for bringing in SDI and HDMI sources)
- Teradek Wifi Cube (Can bring in HDMI or SDI sources depending on cube model)
- Matrox Multi-Ingest Card (Mac Only) 4 HD-SDI ingest card
- LiveU video-over-cellular portable backback can bring in remote computer running Wirecast or remote camera source

Internet connection

High-Speed Business Internet (Estimated 50 Mbps uprate)

External Microphones

As many as you need mixed through a mixer with the audio being routed via "tape out" or other into the cameras or audio in on the computer. This allows you to use standard XLR mics and integrate with professional audio set ups

Computer

We suggest a computer with the following minimum requirements:

CPU: 8 core (2 Quad Core-intel Xeon Processors)
 Graphics: ATI Radeon HD 5770 with 1GB GDDR5 vram
 Resolution: 1920x1080
 Memory: 6GB RAM
 Hard Drive: Enough storage for local archive



An example that fits this description would be a Mac Pro, however, a similarly equipped Windows Machine would also work