

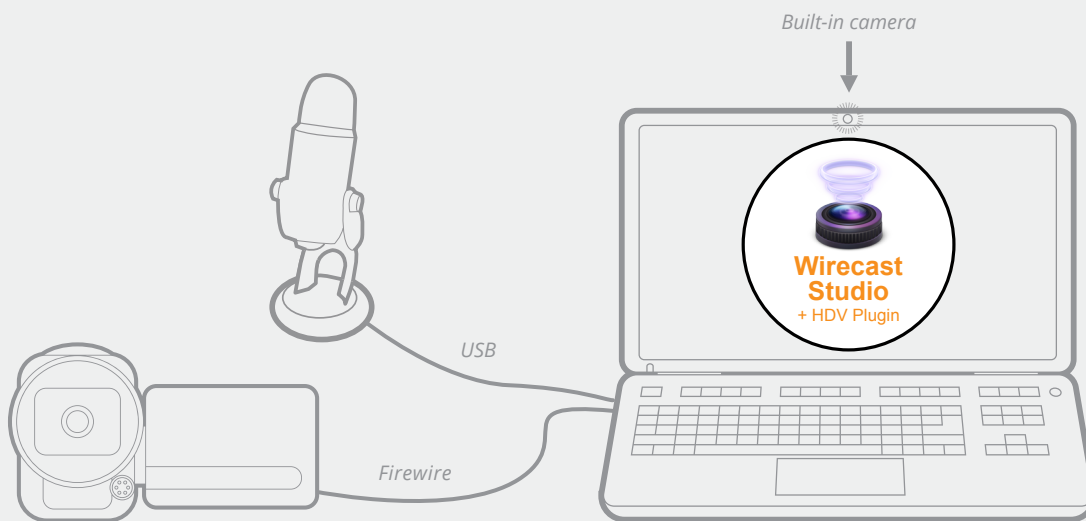
Example Setups

WIRECAST 5

Basic User

I want to:

- Use 1-2 external SD/HD cameras and possibly a webcam.
- Send out one SD/HD stream and record one copy to my hard drive
- Use titles, transitions, and maybe apply an on screen logo or brand
- Include Powerpoint presentation, or computer screen shot



Wirecast Basic Setup

- 1 x Computer (Mac or Windows)
- 1-2 x SD/HD cameras
- 1 x Webcam (built in or USB)
- 1 x USB microphone
- 1 x Wirecast Studio

Tried & True (SD):

- 1 MacBook Pro 2011
- 1 Canon Vixia HV30 via Firewire
- 1 Built-in iSight Web Camera
- 1 Blue Yeti USB microphone*
- 1 Wirecast Studio + HDV plugin

** USB busses are easily overloaded. Plugging 2-3 USB devices such as cameras or microphones, etc. can lead to one or more of them not working.*

Suggested Stream Resolutions:

Standard Definition (SD):

- Broadcast Stream: 640x360 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)
- Local Copy: 640x360 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)

High Definition (HD):

- Broadcast Stream: 1280x720 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)
- Local Copy: 1280x720 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)

Suggested SD/HD Cameras:*

- Canon: Vixia HV20/30/40, Vixia HF R40/42, Vixia HF M500/52
- Sony: HDR-CX260V/380/430V/580V
- Panasonic: HC-V720 (wifi not supported), HC-X920
- JVC: GZ-E505, GZ-EX515/555, GC-PX100

** Not all listed cameras have been officially qualified and tested by Telestream. However, any SD camera with composite, or S-video out and any HD camera with HDMI or HD-SDI outputs should work with a qualified capture card.*

Suggested SD/HD Webcams (USB & built-in):

- Apple iSight, Facetime
- Logitech C910, C920
- Microsoft LifeCam Cinema, 3K, 5K

Suggested Capture Cards:

- Blackmagic Design UltraStudio Mini Recorder, Intensity Shuttle or Intensity Pro

Suggested USB Microphones:

- Audio Technica ATR2100
- Blue Yeti

Minimum Suggested Internet Connection:*

For SD Broadcast:

DSL (3Mbps download / 1Mbps upload)

For HD Broadcast:

DSL (6Mbps download / 3-4Mbps upload)

* Your broadcast bitrate should be no higher than ½ your upload speed limit to allow for peaks in the variable bitrate encoding.

Minimum Suggested Computer:*

For Standard Definition Broadcasting:

Mac:

- OS: 10.7 or later
- CPU: Intel i3 Processor or better
- Memory: 4GB DDR3 RAM or better
- Graphics: GeForce or Radeon 512MB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**

PC/Windows:

- OS: Windows 7 or later (64-bit version recommended)
- CPU: Intel i3 Processor or better
- Memory: 4GB DDR3 RAM or better
- Graphics: GeForce or Radeon 512MB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**
- Quicktime 7.7 or later

For High Definition (720p) Broadcasting:

Mac:

- OS: 10.7 or later
- CPU: Intel i5 Processor or better
- Memory: 6GB DDR3 RAM or better
- Graphics: GeForce or Radeon 512MB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**

PC/Windows:

- OS: Windows 7 or later (64-bit version recommended)
- CPU: Intel i5 Processor or better
- Memory: 6GB DDR3 RAM or better
- Graphics: GeForce or Radeon 512MB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**
- Quicktime 7.7 or later

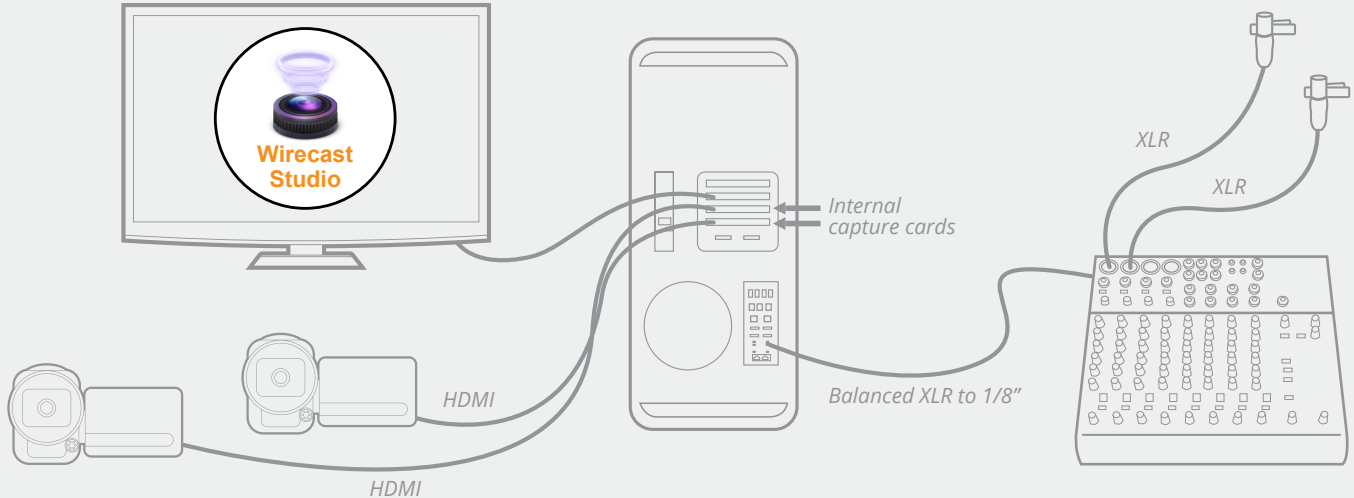
* These are the minimum suggested computer specifications. Please see [Wirecast 5 Minimum System Requirements](#) for all mandatory minimum specifications.

** It is recommended that you record to a second hard drive dedicated just for that purpose rather than your system hard drive that carries all your applications and user files.

Advanced User

I want to:

- Use 2-3 external HD cameras and possibly a webcam
- Use a small audio mixer/sound board to record external microphones
- Send out 1-2 HD streams and record one copy to my computer
- Use green screen, titles, transitions, and apply a watermark
- Include slides, computer screen shots, and Skype video calls



Wirecast Advanced Setup

- 1 x Computer (Mac or Windows)
- 2-3 x HD cameras + HDMI cables
- 2-3 x Capture Cards
- 1 x Audio Mixer
- 1 x Wirecast Studio

Tried & True:

- 1 Mac Pro 2008
- 2 Canon Vixia HV40s via HDMI cables
- 2 x Blackmagic Intensity Pro (PCIe)
- 1 Mackie 1202 VLZ-PRO Audio Mixer
- 2 AudioTechnica Lavalier Microphones
- 1 Wirecast Studio

Suggested Stream Resolutions:

Broadcast Stream for High Bandwidth Viewers:

1280x720 @ 25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)

Broadcast Stream for Low Bandwidth Viewers:

640x360 @ 25/30FPS (Flash, WM, H.264 or QT)

Local copy:

1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, H.264, or QT)

Suggested HD Cameras:*

- Canon: Vixia HF M500/M52/G20/G30, XF105
- Sony: HDR-CX260V/380/430V/580V
- Panasonic: HC-V720 (wifi not supported), HC-X920
- JVC: GZ-E505, GZ-EX515/555, GC-PX100

** Not all listed cameras have been officially qualified and tested by Telestream. However, any SD camera with composite, or S-video out and any HD camera with HDMI or HD-SDI outputs should work with a qualified capture card.*

Suggested Capture Cards:

- Blackmagic Design Intensity Shuttle or Intensity Pro
- Blackmagic UltraStudio Express or Mini Recorder

Suggested Audio Mixer Brands:

- Peavey
- Pyle Pro
- Mackie
- Nady
- Behringer

Minimum Suggested Internet Connection:

DSL or (8Mbps download / 5-6Mbps upload)

Minimum Suggested Computer:*

Mac:

- OS: 10.7 or later
- CPU: Intel i5 Processor or better
- Memory: 6GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**

PC/Windows:

- OS: Windows 7 or later (64-bit version recommended)
- CPU: Intel i5 Processor or better
- Memory: 6GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration
- Hard Drive: free space available for recording**
- Quicktime 7.7 or later

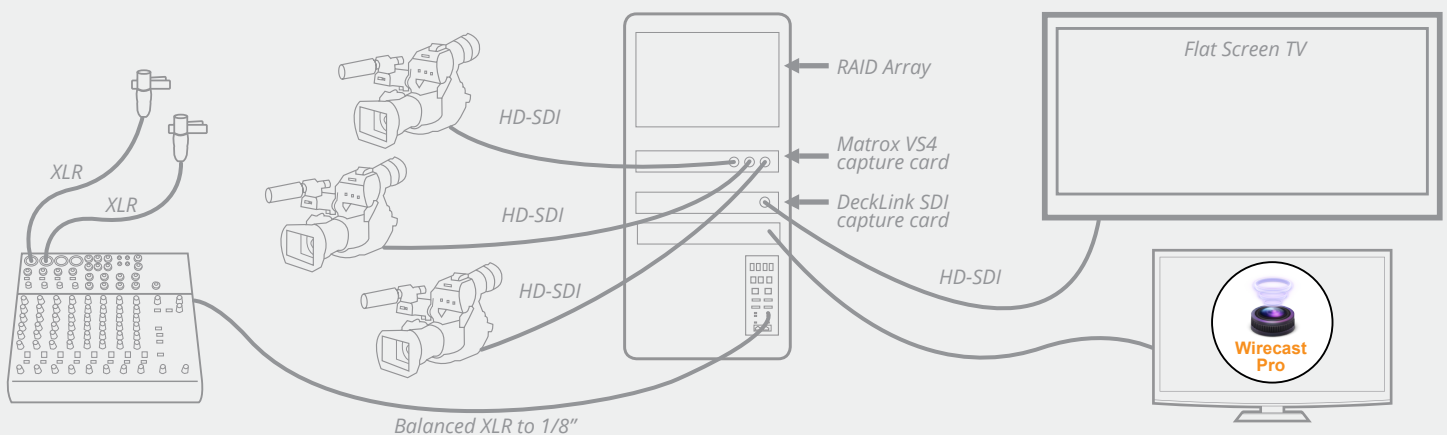
** These are the minimum suggested computer specifications. Please see [Wirecast 5 Minimum System Requirements](#) for all mandatory minimum specifications.*

***Note: It is recommended that you record to a second hard drive dedicated just for that purpose rather than your system hard drive that carries all your applications and user files.*

Pro User

I want to:

- Use 3+ Pro/Consumer HD cameras with long cable runs (HD-SDI)
- Record (Iso-Record) individual cameras for later editing
- Use a multi-channel mixer/sound audio mixer
- Possibly bring in an IP camera, web-stream, or remote video stream
- Send out a 1080p, a 480p and record a full HD stream to my computer
- Use external monitors and send feed to different displays
- Use green screen, 3D sets, titles, transitions, and apply a watermark
- Include slides, computer screen shots, and Skype video calls



Wirecast Professional Setup

- 1 x Computer (Mac or Windows)
- 3+ HD cameras
- 1-3 x Capture Cards (internal/external)
- 3+ SDI Cables and/or HDMI to HD-SDI signal converters
- 1 x Audio Mixer
- 1 x RAID Array
- 1 x Wirecast Pro

Tried & True:

- 1 Dell Computer , 64-bit Windows 7, with Multiple Hard Drives RAID 0 Array
- 3 Sony PMR EX3 via HD-SDI cables
- 1 Blackmagic Decklink SDI PCIe card
- 1 Matrox VS4 capture card
- 1 Mackie 1202 VLZ-PRO Audio Mixer
- 1 Wirecast Pro

Suggested Stream Resolutions:

Broadcast Stream for High Bandwidth Viewers:

1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, x264, H.264, or QT)

Broadcast Stream for Low Bandwidth Viewers:

854x480@25/30fps (Flash, WM, x264, H.264 or QT)

Local copy:

1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, x264, H.264, or QT)

Suggested Pro HD Cameras:*

- Canon: XA10/20/25, XF100/105/300/305
- Sony: PMW 100/300/EX1/3/3s, HXR-NX5U, PXW-Z100
- Panasonic: AG-HMC80/150, AC130A/160A, HPX250/255/370
- JVC: GY-HM150U/600/710U/750/650

** Not all listed cameras have been personally qualified and tested by Telestream. However, any HD camera HDMI, HD-SDI, 1080i 60FPS out should work with a qualified capture card.*

Suggested Capture Cards:

- Blackmagic DeckLink Quad
- Matrox VS4 (can ISO record)
- AJA Kona 3G Quad

Suggested Audio Mixer Brands:

- Peavey
- Pyle Pro
- Mackie
- Nady
- Behringer

Minimum Suggested Internet Connection:

DSL or (12 Mbps download / 12 Mbps upload)

Minimum Suggested Computer:*

Mac:

- OS: 10.7 or later
- CPU: Intel i7 Processor or better
- Memory: 8 GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration
- Minimum 2 Hard Drives: free space available for recording

PC/Windows:

- OS: Windows 7 or later (64-bit version recommended)
- CPU: Intel i7 Processor or better
- Memory: 8GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration
- Minimum 2 Hard Drives: free space available for recording
- Quicktime 7.7 or later

** These are the minimum suggested computer specifications. Please see [Wirecast 5 Minimum System Requirements](#) for all mandatory minimum specifications.*