Wirecast 7 Example Setups

There are many ways to set up Wirecast. Here are just a few.

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Basic | Webcam + computer

The easiest way to get started broadcasting to Facebook, Youtube or other popular live streaming sites. Great for single camera broadcasts with slides, presentations and product demos, vlogs and talkshows.

Built-in webcam

Wirecast
Studio

Wirecast Basic Setup

- 1 x Computer (Mac or Windows)
- 1 x Webcam
- 1 x Wirecast Studio

Tried & True (HD):

- 1 MacBook Pro OS 10.12 Sierra
- 1 Built-in iSight web camera or Logitech C920
- 1 Wirecast Studio

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Suggested Stream Resolutions:

Standard Definition (SD):

• Broadcast Stream: 640x360 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264)

• Local Copy: 640x360 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264)

High Definition (HD):

• Broadcast Stream: 1280x720 @ 25/25/30FPS PAL/NTSC (Flash, WM, H.264)

• Local Copy: 1280x720 @ 25/25/30FPS PAL/ NTSC (Flash, WM, H.264)

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

• Apple iSight, Facetime

• Logitech C910, C920

• Microsoft LifeCam Cinema, 3K, 5K

Suggested USB Microphones:

• Audio Technica ATR2100

• Blue Yeti

• Built-in microphone (many computers and webcams come with built-in microphones)

Minimum Suggested Internet Connection:*

For SD Broadcast: (3Mbps download / 1.5Mbps upload)

For HD Broadcast: (5Mbps download / 5Mbps 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:*

Mac:
• OS: 10.11 or later
• CPU: Intel i5 Quad-core Processor or better
• Memory: 8GB DDR3 RAM or better
• Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or Integrated Intel Iris Pro
• Hard Drive: free space available for recording**

PC/Windows:
• OS: Windows 7 or later (64-bit)
• CPU: Intel i5 Quad-core Processor or better
• Memory: 8GB DDR3 RAM or better
• Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or Integrated Intel Iris Pro
• Hard Drive: free space available for recording**

* These are the minimum suggested computer specifications. Please see Wirecast 7 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.
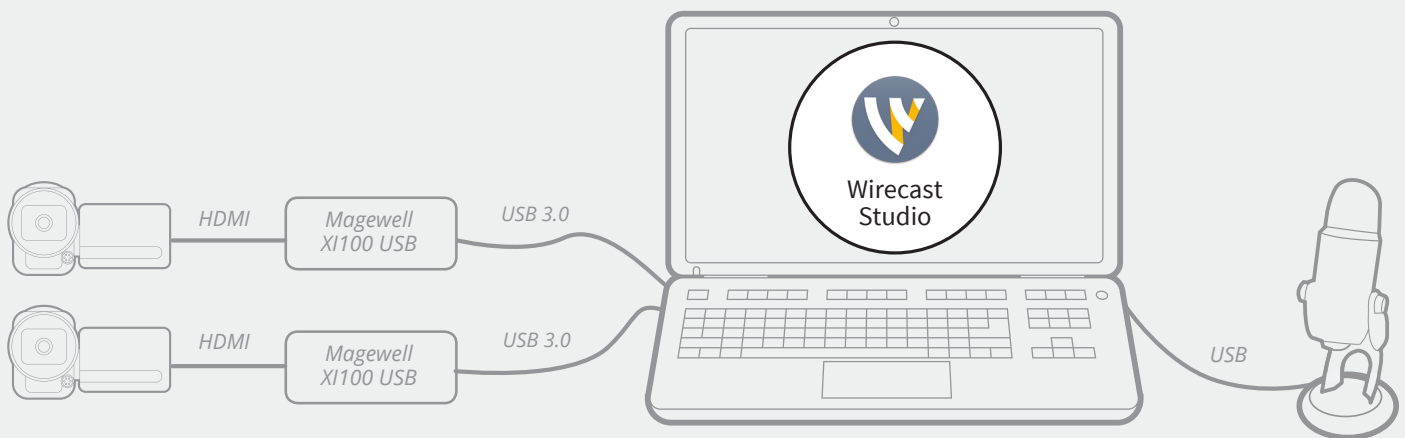
POWER TIP:
Add a USB microphone to make your audio sound awesome!

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This setup example uses nicer cameras (HDMI) and allows live streamers to switch between camera angles and adds a nicer microphone. Perfect for streamers looking to leverage nicer cameras and improve the quality of their live streams.

HDMI — Magewell XI100 USB — USB 3.0

HDMI — Magewell XI100 USB — USB 3.0

Wirecast Studio

USB

Wirecast Advanced Setup

- 1 x Computer (Mac or Windows)
- 2-3 x HD cameras + HDMI cables
- 2-3 x capture cards
- 1 x USB microphone* or audio mixer
- 1 x Wirecast Studio

* 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.

Tried & True:

- 1 Macbook Pro, Quad-core i7
- 2 Camcorders via HDMI cables
- 2 x Magewell XI100 USB-HDMI
- 1 Wirecast Studio
- 1 Blue Yeti USB microphone

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Suggested Stream Resolutions:

High Definition (HD) Stream: 1280x720 @ 25/30FPS PAL/NTSC (Flash, WM, H.264)

Local copy:
1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, H.264)

Suggested HD Cameras:

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.

Contact a reseller to discuss current models.

Suggested Capture Cards:

External:
• Blackmagic UltraStudio or Mini Recorder
• Magewell HDMI USB 3.0

Internal:
• Intensity Pro 4K
• DeckLink Mini Recorder

Suggested USB Audio Interfaces:

• Alesis MultiMix 4
• Behringer Xenyx X1204USB
• Focusrite Scarlett Line
• Alesis GuitarLink

Minimum Suggested Internet Connection:

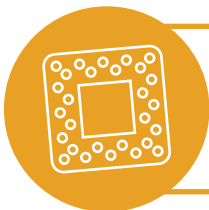5Mbps download / 5Mbps upload

Minimum Suggested Computer:*

Mac:
• OS: 10.11 or later
• CPU: Intel i5 Quad-core Processor or better
• Memory: 8GB DDR3 RAM or better
• Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or integrated Intel Iris Pro
• Hard Drive: free space available for recording**

PC/Windows:
• OS: Windows 7 or later (64-bit)
• CPU: Intel i5 Quad-core Processor or better
• Memory: 8GB DDR3 RAM or better
• Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or integrated Intel Iris Pro
• Hard Drive: free space available for recording**

These are the minimum suggested computer specifications. Please see Wirecast 7 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.*
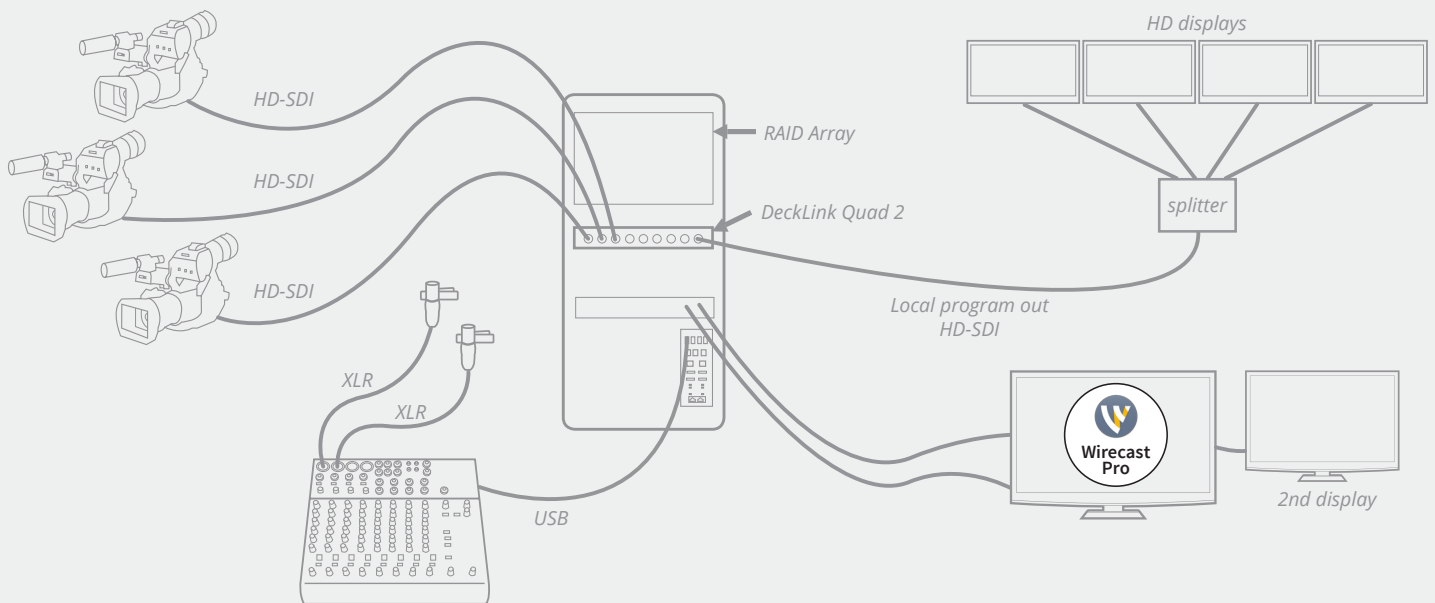
POWER TIP:
If your computer has an Intel integrated graphics chip or an Nvidia graphics card you can use Wirecast's hardware encoding feature and save 15%+ in CPU cycles.

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For professional or near-professional streamers, this an example of what a very powerful PC or computer would look like hooked up to at least 3 professional SDI cameras, multiple monitors, and running advanced features like ISO recording in Wirecast Pro.

Wirecast Professional Setup

- 1 x Computer (Mac or Windows)
- 3+ HD cameras
- 1-3 x capture cards (internal/external)
- 3+ SDI cables and/or HD-SDI to HDMI signal converters
- 1 x splitter
- 1 x USB audio mixer
- 1 x RAID Array
- 1 x Wirecast Pro

Tried & True:

- 1 8-Core Computer , 64-bit Windows 10, with Multiple Hard Drives RAID 0 Array
- 3 camcorders via HD-SDI cables
- 1 Blackmagic Decklink Quad
- 1 Alesis USB Audio mixer
- 1 Wirecast Pro

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Suggested Stream Resolutions:

High Definition (HD) Stream: 1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, x264, H.264)

Local copy:
1920x1080 @ 25/30FPS PAL/NTSC (Flash, WM, x264, H.264)

Suggested Pro HD Cameras:

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.

Contact a reseller to discuss current models.

Suggested Capture Cards:

- Blackmagic DeckLink Quad
- AJA Io 4K (external), Thunderbolt port required

Suggested Audio Mixer Brands:

- Peavey
- Pyle Pro
- Mackie
- Nady
- Behringer
- Alesis

Minimum Suggested Internet Connection:

DSL or (12 Mbps download / 12 Mbps upload)

Minimum Suggested Computer:*

Mac:

- OS: 10.11 or later
- CPU: Intel i7 Quad-core Processor or better (6-12 Core recommended for 1080 ISO, Replay & Graphics)
- Memory: 16GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or Integrated Intel Iris Pro
- Minimum 2 Hard Drives: free space available for recording

PC/Windows:
- OS: Windows 7 or later (64-bit)
- CPU: Intel i7 Quad-core Processor or better
- Memory: 16GB DDR3 RAM or better
- Graphics: GeForce or Radeon 1GB or better PCIe card with 3D acceleration or Integrated Intel Iris Pro
- Minimum 2 Hard Drives: free space available for recording

* These are the minimum suggested computer specifications. Please see Wirecast 7 Minimum System Requirements for all mandatory minimum specifications.

POWER TIP:
Use a Blackmagic or AJA capture card to output your program feed locally over SDI or HDMI (local graphics card monitor output is also available)