

Webcast, Podcast, and Vlogging Studio

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There are hundreds of choices of equipment. Your choice may depend upon your budget. Below are some suggestions.

There are three sources that can be recommended.

<https://www.amazon.com>

<https://www.bhphotovideo.com>

<https://www.sweetwater.com>

Lighting

Lights should be positioned behind the computer to the left and right and above your head so that you are no being blinded by the lights. Background lights, especially overhead lights, should be turned off.

Position the Nanlites on top of the Neewer Mini tripods 6-12 inches above the computer on your desk or table. Angle them slightly towards the center and tilted slightly downward. The Nanlites are very bright. The minimum brightness should be sufficient. Adjust the color to suit your taste.

(2) Nanlite LumiPad 11 Bi-Color Soft LED Panel

BH #NA112001 • MFR #11-2001

https://www.bhphotovideo.com/c/product/1476400-REG/nanlite_11_2001_lumipad_11_dimmable_adjustable.html

\$49 x 2

(2) Nanlite 7.5V 2A Power Adapter

BH #NAPA75V2A • MFR #PA-7.5V2A

https://www.bhphotovideo.com/c/product/1507273-REG/nanlite_pa_7_5v2a_power_adapter_7_5v_2a.html

\$14 x 2

Neewer Mini Set of Two Aluminum Photography Back Light Stands with 32"/80cm Max Height for Refectors, Softboxes, Lights, Umbrellas, Backgrounds

https://www.amazon.com/gp/product/B00LGGVOM0/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1

\$26.99

Sound Information

Ordinarily, only one external microphone is needed for sound. An external microphone will usually provide better sound quality than the computers built-in microphone. For most purposes, a single USB microphone connected to your computers USB input will be sufficient. The closer you are to the microphone, the better the quality of the sound pickup. A microphone with a frequency response of 20-20,000 Hz will produce a deeper fuller sound than one with a higher frequency response. A microphone with a frequency response of 50-15,000 Hz works well for this purpose. It depends upon your budget.

There are several different microphone pickup patterns. Omnidirectional picks up sound from all directions. Cardioid picks up sound in only one direction. The latter is best for webcasting and podcasting because it will pickup little to no background noise.

A mixer is used when you want to use more than one microphone or other device such as an mp3 player. One microphone may be used for voice, while another for an instrument such as a drum. The sound level of the voice can be adjusted separately from the sound level of the drum. The equalizer in a mixer can be used to give the voice a deeper sound by increasing the low frequencies (bass). A mixer may also be used to add reverb to the sound. Use headphones to listen to the sound coming out of the mixer while making adjustments.

A mixer with a USB output can be connected directly to a computer.

Sound can be recorded on your computer using Garage Band, which comes with Apple computers, or other software like Cubase, etc.

XLR Microphone Choices (for mixer)

Audio-Technica AT2020 Cardioid Condenser Microphone

<https://www.bhphotovideo.com/c/product/356521-REG/>
Audio_Technica_AT2020_AT2020_Condenser_Microphone.html
\$99

Audio-Technica PRO 41 Handheld Cardioid Dynamic Microphone (one or more)

Frequency response: 90-16,000 Hz.
<https://www.bhphotovideo.com/c/product/352148-REG/>
Audio_Technica_PRO_41_PRO_41_Handheld_Microphone.html
\$59

Mixer Choices (XLR microphones to USB Computer Input)

Yamaha MG10XU 10-Input Mixer with Built-In FX and 2-In/2-Out USB Interface

<https://www.bhphotovideo.com/c/product/1026876-REG/>

yamaha_mg10xu_10_in_stereo.html

3-band equalizer

\$210

Alesis MultiMix 4 USB FX 4-Channel Mixer and USB Audio Interface4-channel Mixer with USB Connection and 16 Onboard Effects

<https://www.bhphotovideo.com/c/product/1556054-REG/>

alesis_mm4usbfpxtoolsxus_multmix_4_usb_fx.html

2 band equalizer

\$99

USB (Computer Direct) Microphone Choices

Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone

Frequency response: 20-20,000 Hz.

<https://www.bhphotovideo.com/c/product/911194-REG/>

audio_technica_at2020usb_cardioid_condenser_microphone.html

\$149.00

Rode NT-USB Mini USB Microphone

Frequency response: 20-20,000 Hz.

<https://www.bhphotovideo.com/c/product/1540109-REG/>

rode_nt_usb_mini_usb_microphone.html

\$99.99

USB Microphone, Fifine Metal Condenser Recording Microphone for Laptop MAC or Windows Cardioid Studio Recording Vocals, Voice Overs,Streaming Broadcast and YouTube Videos-K669B

Frequency response: 50-15,000 Hz.

https://www.amazon.com/gp/product/B06XCKGLTP/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

\$37.99

Miscellaneous

Auray MS-5340 Podcasting Microphone Stand with Boom (Black) (one or more) (Desk Standing)

<https://www.bhphotovideo.com/c/product/1023330-REG/>

auray_ms_5340_kick_drum_mic_stand.html

\$24.99 x 2

AmazonBasics Tripod Boom Microphone Stand (Floor Standing)

https://www.amazon.com/gp/product/B019NY2PKG/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&psc=1

\$23.61

Sennheiser HD 200 Pro Monitoring Headphones

<https://www.bhphotovideo.com/c/product/1296068-REG/>

sennheiser_507182_hd_200_pro_monitoring.html

\$49.95

Video

The camera that comes with your computer is often good enough for webcasting. However if you want a higher resolution, more professional look, add a high definition camera.

You will want a professional looking background. Almost anything can serve as a professional looking background. Plain white or other color can be used. A folding screen can be used and easily stored

The Logitech cameras come with Image Capture software so you can zoom in and out, pan, and edit.

Logitech BRIO Ultra HD Pro Computer Webcam - 4K and 1080p Streaming Camera Widescreen Video - 2 Omni-Directional Built in Mic for Calling and Recording, for Desktop or Laptop - 5X Digital Zoom

<https://www.amazon.com/BRIO-Ultra-Computer-Webcam-Omni-Directional/dp/B08CK31S42>

\$227.48

Logitech 960-001176 C922x Pro Stream Webcam – Full 1080p HD Camera

https://www.amazon.com/gp/product/B01LXCDPPK/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1

\$119.99

Vlogging

Vlogging is when you record a video and upload it to a server such as Youtube. This can be done using zoom and your computer. However the quality from zoom will be much lower than from a camera.

The Sony ZV-1 camera is made specifically for vlogging. You can use it with the remote control attached to recorder a video. If you want a more professional look such as with professional lighting and background, use the same lights as recommended in the lighting section of this paper. If you are going to be more than 2 feet from the camera, use the wireless lavalier microphone. The Sony bluetooth microphone attaches directly to the hot shoe of the camera without any wires.

The camera will also accept audio inputs from the mixer.

Sony ZV-1 Digital Camera (Black)

BH #SOZV1 • MFR #DCZV1/B

[https://www.bhphotovideo.com/c/product/1565880-REG/](https://www.bhphotovideo.com/c/product/1565880-REG/sony_dc_zv_1_digital_camera.html)

sony_dc_zv_1_digital_camera.html

\$698.00

Sony Vlogger Accessory Kit (Remote Control and SD Card)

BH #SOACCVC1 • MFR #ACCVC1

[https://www.bhphotovideo.com/c/product/1565907-REG/](https://www.bhphotovideo.com/c/product/1565907-REG/sony_accvc1_vlogger_accessory_kit.html)

sony_accvc1_vlogger_accessory_kit.html

\$148.00

Sony ECM-W1M Wireless Microphone for Cameras with Multi-Interface Shoe

BH #SOECMW1M • MFR #ECMW1M

https://www.bhphotovideo.com/c/product/1029169-REG/sony_ecmw1m_wireless_mic.html

\$228

UGREEN Micro USB Cable Nylon Braided Fast Quick Charger Cable USB to Micro USB 2.0 Android Charging Cord for Samsung Galaxy S7 S6, Note, LG, Nexus, Nokia, PS4, Xbox One Controller (6ft, Black) (For powering your camera from a USB port because the battery is limited)

https://www.amazon.com/gp/product/B01NBHYAR0/ref=ppx_yo_dt_b_asin_title_o01_s00?ie=UTF8&psc=1

\$7.19

