

A PARTNESHIP BETWEEN DESIGN REVIVAL AND COLUMBUS BAPTIST ASSOCIATION

Live Stream



Equipment and Resources

IN PARTNERSHIP WITH THE DESIGN REVIVAL (DESIGNREVIVAL.GA), THE COLUMBUS BAPTIST ASSOCIATION SEEKS TO PARTNER WITH CHURCHES TO CREATE AND CULTIVATE ONLINE MEDIA MINISTRIES TO COMMUNICATE THE GOSPEL TO OUR COMMUNITY AND THE WORLD. THIS DOCUMENT WILL PROVIDE YOU WITH EQUIPMENT AND RECOMMENDATIONS TO HELP YOUR CHURCH LIVE STREAM YOUR SERVICES. WE HAVE ATTEMPTED TO PROVIDE VARIOUS OPTIONS SO YOUR CHURCH CAN PUT TOGETHER A SOLUTION THAT BEST WORKS WITH YOUR BUDGET, RESOURCES, VOLUNTEERS, AND MINISTRY GOALS.

Live Stream

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Live Stream Camera Options

ENTRY LEVEL CAMERA

THIS ENTRY LEVEL CAMERA IS A CONSUMER CAMERA. IT DOES NOT HAVE PRO AUDIO INPUTS (XLR) OR OUTPUTS (SDI). THESE CAMERAS CAN BE FOUND AT MOST CONSUMER ELECTRONIC STORES. THEY DO NOT RESPOND WELL TO LOW LIGHT ENVIRONMENTS. THIS CAMERA WILL WORK WELL TO GET STARTED STREAMING VIDEO FROM THE BACK OF A SMALL CHURCH ENVIRONMENT. THE 32X ZOOM IS STRONG ENOUGH TO GET MEDIUM SHOTS AT THE PULPIT.

CANON VIXIA HF R800

\$250

- 1080P VIDEO RECORDING/OUTPUT
- MIC LINE IN
- HDMI VIDEO OUTPUT
- SD/SDHC/SDXC FOR RECORDING
- 32X OPTICAL ZOOM

BEGINNER LEVEL CAMERA

THE BEGINNER LEVEL CAMERAS ARE PROSUMER CAMERAS. IT WILL CONTAIN PRO AUDIO INPUTS (XLR), BUT NOT PRO INPUTS (SDI). THESE CAMERAS ARE NOT TYPICALLY FOUND IN A LOCAL CONSUMER ELECTRONIC STORE AND WOULD NEED TO BE ORDERED FROM A DEALER. THEY HAVE DECENT LOW LIGHT CAPABILITIES, BUT WILL WORK BEST WITH HIGHER LIGHT LEVELS IN THE ROOM. OPTICAL ZOOMS WILL RANGE FROM 12X TO 20X TO 30X ON DIFFERENT MODELS.

CANON XA11

\$1,299

- 1080P VIDEO RECORDING/OUTPUT
- 2 XLR INPUT
- MINI HDMI VIDEO OUTPUT
- 2 X SDXC FOR RECORDING
- 20X OPTICAL ZOOM

JVC GY-HM170UA

\$1,195

- 4K AND 1080P VIDEO RECORDING/OUTPUT
- 2 XLR INPUT
- HDMI VIDEO OUTPUT
- SDXC FOR RECORDING
- 12X OPTICAL ZOOM

When looking for consumer grade camera, ensure the camera will disable the screen display over HDMI.

INTERMEDIATE LEVEL CAMERA

THE INTERMEDIATE LEVEL CAMERAS ARE PROSUMER CAMERAS. THEY WILL CONTAIN PRO AUDIO INPUTS (XLR) AND MAY CONTAIN PRO VIDEO INPUTS (SDI). THEY WILL ALL SHOOT A MINIMUM OF 4K VIDEO. THESE WILL NOT BE FOUND IN ANY LOCAL CONSUMER ELECTRONIC STORES. THESE WILL BE PURCHASED FROM PROFESSIONAL CONSUMER SHOPS. THEY WILL HAVE GOOD LOW LEVEL ABILITIES. OPTICAL ZOOMS WILL RANGE FROM 12X TO 30X. THESE CAMERAS WILL HAVE BETTER LENSES AND ALLOW FOR MORE CRISP LOOKING VIDEO, EVEN WHEN STREAMING. THESE CAMERAS, WITH THE RIGHT ACCESSORIES, WOULD BE GREAT FOR INTERVIEWS, LOCATION SHOOTING, EVENT DOCUMENTING, ETC.

CANON XA40

\$1,499

- UHD 4K30P VIDEO RECORDING/OUTPUT
- 2 XLR INPUT
- MINI HDMI VIDEO OUTPUT
- 2 X SDXC/SDHC FOR RECORDING
- 20X OPTICAL ZOOM

PANASONIC AG-UX90 UHD

\$1,795

- UHD 4K30P VIDEO RECORDING/OUTPUT
- 2 XLR INPUT
- HDMI VIDEO OUTPUT
- 2 X SDXC/SDHC FOR RECORDING
- 15X OPTICAL ZOOM

SONY HXR-NX100

\$1,498

- 1080P VIDEO RECORDING/OUTPUT
- 2 XLR INPUT
- HDMI VIDEO OUTPUT
- 1 X SDXC FOR RECORDING
- 12X OPTICAL ZOOM



Live Stream Accessories

THERE ARE A VARIETY OF ACCESSORIES NEEDED TO BE ABLE TO GET A STREAM FROM YOUR CAMERA TO FACEBOOK, YOUTUBE, OR VIMEO. YOU WILL NEED A WAY TO CONNECT YOUR HDMI CAMERA TO AN ENCODER. YOU WILL NEED TO ENCODE EITHER VIA HARDWARE OR SOFTWARE. AND YOU WILL NEED VARIOUS HARDWARE, ADAPTERS, CABLES, AND CONNECTIONS.

CAPTURE CARD

TO INPUT AN HDMI SIGNAL INTO A COMPUTER FOR STREAMING, YOU WILL NEED AN HDMI CAPTURE CARD. THIS DEVICE WILL CONVERT THE HDMI SIGNAL FROM YOUR CAMERA TO A USB INPUT FOR YOUR COMPUTER.

IOGEAR

\$99

- INPUT 720P TO 1080P VIA HDMI
- USB TYPE-C

ELGATO CAM LINK 4K

\$129

- INPUT 720P TO 4K VIA HDMI
- USB TYPE-A

BLACKMAGIC DESIGN ULTRASTUDIO

\$145

- INPUT 720P TO 1080P VIA HDMI OR SDI
- THUNDERBOLT

BLACKMAGIC DESIGN ATEM MINI

\$295

- 4 X INPUT 720P TO 1080P VIA HDMI
- USB TYPE-C AND ETHERNET

ENCODING

TO CONVERT THE VIDEO SIGNAL TO A LIVE STREAM REQUIRES AN ENCODER. THE ENCODING SYSTEM WILL CONVERT YOUR VIDEO/AUDIO TO A STREAM THAT IS FED TO FACEBOOK, YOUTUBE, OR OTHER STREAMING PLATFORM. ENCODERS WILL EITHER BE HARDWARE OR SOFTWARE.

HARDWARE ENCODING

HARDWARE ENCODING DEVICES WILL CONNECT DIRECTLY TO YOUR CAMERA WITHOUT THE USE OF A CAPTURE DEVICE AND STREAM DIRECTLY TO THE NETWORK OF CHOICE. YOU CAN STREAM TO FACEBOOK, YOUTUBE, OR USE RTMP TO CONNECT TO MANY OTHER PLATFORMS.

YOLO BOX LIVE

\$1,100

- 2 X INPUT 720P TO 1080P VIA HDMI
- MULTIPLE PLATFORM LIVE STREAM

LIVEU SOLO HDMI

\$995

- 720P TO 1080P VIA HDMI

BLACKMAGIC DESIGN ATEM MINI PRO

\$595

- 4 X 720P TO 1080P VIA HDMI



SOFTWARE ENCODING

SOFTWARE ENCODING USES AN APPLICATION ON YOUR COMPUTER TO CAPTURE YOUR VIDEO AND AUDIO FEED AND ENCODE THE SIGNAL TO A LIVE STREAM FEED. THIS REQUIRES A CAPTURE CARD TO GET THE VIDEO INTO THE COMPUTER.

OBS (OPEN BROADCAST STUDIO)

FREE

OBSPROJECT.COM

STREAMLABS

FREE AND PREMIUM PLANS

STREAMLABS.COM

OTHER ACCESSORIES

THERE ARE A VARIETY OF OTHER ACCESSORIES TO CONSIDER TO IMPROVE YOUR LIVE STREAM. THE GOAL IS TO PRODUCE A QUALITY EXPERIENCE FOR THE VIEWER. THIS MEANS YOU NEED TO CONSIDER STABILITY, LIGHTING, AUDIO, ETC. THIS SECTION WILL HIGHLIGHT A FEW KEY ACCESSORIES THAT WILL IMPROVE YOUR LIVE STREAM.

TRIPOD

A TRIPOD WILL PROVIDE A STABLE PLATFORM FOR YOUR CAMERA. A TRIPOD NEEDS TO BE LARGE ENOUGH TO SUPPORT YOUR CAMERA. IF YOU PLAN TO HAVE A VOLUNTEER MAN THE CAMERA AND FOLLOW THE SPEAKER, THEN A FLUID HEAD IS IMPORTANT.

TRIPOD BRANDS THAT OFFER QUALITY SYSTEMS AT VARIOUS PRICE POINTS.

- MANFROTTO
- VARIZOOM
- MAGNUS

AUDIO

GOOD AUDIO IS CRITICAL FOR YOUR LIVE STREAM. PEOPLE WILL TOLERATE BAD VIDEO, BUT THEY WILL NOT TOLERATE BAD AUDIO. MAKE SURE YOU HAVE A GOOD MIX FROM YOUR SOUND SYSTEM THAT IS CONNECTED TO YOUR COMPUTER, CAMERA, OR ENCODER.



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