

A Brief List of Resources for Online Streaming (beyond cell phone & FB Live) and Online Giving

Note: Charles Revis sent out a short questionnaire to several Mission Northwest churches requesting information about what equipment they are using to provide online streaming beyond a cell phone and FB Live (which is a great way to get online easily and quickly). Also, questions were asked about online giving. This short document is a compilation of responses received so far. Thanks to all who provided answers to help make this list. ~ 3/24/20

A. ONLINE STREAMING — for using MORE than a Phone & FB Live.

ORIGINAL LIST OF QUESTIONS

1. What type of computer? PC or Mac, laptop or desktop?
2. What video camera or digital camera? Pretty basic, or somewhat more professional?
3. What HDMI to USB conversion output device do you use? (For transferring HDMI output signal from camera to the computer via USB. Example: Black Magic capture card.)
4. Do you use a separate Capture Audio Console that controls audio from sound board out to the computer. If so what do you use? (Example: Berenger UM2 Interface.)
5. Do you edit the final product? If so, what software? (Example: OBS Studio; ECam Live for Mac; VMix Software for PC, etc.)
6. To what online service do you upload the final product for streaming? ([Youtube.com](https://www.youtube.com); Facebook; or, one of several other streaming services...)
7. Any other technical pieces I've left off that should be mentioned:

Additional Note: I'm curious if any of use the Life.Church free resource Church Online Platform. If so, let me know how you use it.

RESPONSES

Summit Church, Boise, ID – Submitted by Chad Marvin

VIDEO

Canon XA11 HDMI out to Blackmagic capture device - single input

Blackmagic out to iMac usbC

Visual software “ProPresenter” on iMac accesses Blackmagic device video feed

We use ProPresenter software to overlay lyrics, insert graphics, etc. basically using it as a video switcher. There is some lag time - up to 60 milliseconds but it's still a good solution before our next upgrade

Pro Presenter Siphons off feed to OBS in same iMac

OBS encodes siphoned feed for streaming to Facebook

AUDIO

Behringer P16 personal mixer gives us the ability to create a separate mix for livestream. I choose this over creating a separate mix directly from our board. It starts to get confusing for less confusion in accessing separate mixes from our folks when trying to access separate mixes from the same board. Also - This way, the person running livestream has direct access to live feed mix via a physical mixer

Audio out from P16 to iMic and then into iMac usbC

OBS accesses audio and syncs with video

UPGRADING SOON

We will be purchasing a dedicated switcher for multiple cameras soon. Looking at Blackmagic products as they are plug and play- easy to use.

I am also looking at an app called switcher studio. This might serve us well. We'll see.

FBC Port Angeles, WA – Submitted by Rhys Crawford

VIDEO

We use Mac All-In-One, but I discovered this week that my Windows laptop actually handles the video editing software better, so I'll be using it from now on.

We are using the Mevo Pro live event camera. We went with this solution because of it's operational simplicity. Anyone who can navigate an iPad can run

the camera. I have a bit of a volunteer shortage in the tech department, so this allows me to grab any teenager standing around and get them running the camera after a short explanation.

The Mevo system is a 4k camera lens, but it only broadcasts a portion of the image at a time (either 720p or 1080p), enabling the image to "pan" and "zoom" without the camera actually moving. I like this because I feel like it has smoother transitions, and it is not as distracting in the worship service.

We are not using a HDMI to USB device. The Mevo broadcasts directly to Facebook, or records to an SD card for later editing.

We were broadcasting live to Facebook. But with the recent pandemic, we are editing the video first using Filmora. As I said previously, Filmora runs MUCH better on my Windows laptop than it did on the Mac All-In-One.

To what online service? Facebook. We then embed the Facebook videos on our webpage.

AUDIO

We were using a PreSonus iTwo, but a recent iOS update prevents it from working (it crashes the iPad). So we're experimenting with a Saramonic Smartrig+ at the moment. Results TBD.

FBC Twin Falls, ID – Submitted by David Graham

1. Computer? Mac and both laptop and desktop
2. Camera? Professional digital camera: Sony HXR MC2500
3. HDMI to USB? We actually use a SD card that fits both the camera and the Mac...Makes for easy conversion.
4. Editing and Audio? We use Adobe Premier as our editing tool and we use Garage Band for Audio input.
5. Yes, we edit the final product. We use a combination of iMac, Adobe Premier and Garage Band
6. Online service for streaming? We use YouTube, Facebook and Sharefaith

Palouse Church, WA – Submitted by Tim Sievers

1. Computers? We currently are using a desktop PC and/or iPhone/iPad

2. Camera? Canon Vixia HF R600 personal video camera (not very advanced as far as technology is considered today).

<https://www.usa.canon.com/internet/portal/us/home/products/details/camcorders/consumer/vixia/vixia-hf-r600/vixia-hf-r600> Or...iPhone 11

3. HDMI to USB output device do you use? We use the AJA U-TAP HDMI Simple USB 3.0 Powered HDMI Capture

4. Audio? Our Audio comes from our Presonus Studio Live Digital Mixer

5. Do you edit the final product? We use OBS but not to edit.

6. Online streaming service? We stream to Facebook and are working on YouTube and the Church Online Platform.

New Community Church, Union, WA – Submitted by Michael Wedman

A.1. For our Sunday service we use a Mac Mini. For remote locations we use a PC laptop.

A.2. For Sunday service we use a Ross PivotCam. For remote locations we use a Logitech c930e HD webcam.

A.3. For Sunday service the PivotCam is connected to an ATEM TV Studio HD Switcher with SDI to HDMI connections. From the Switcher HDMI out to a Blackmagic Mini Recorder then Thunderbolt cable to the Mac Mini. For remote locations the Logitech webcam connects to the laptop via USB. Recent streaming services for Sunday the webcam has been used connected to the switcher USB.

A.4. Sunday service our Midas M32R is connected via the DN32 USB output to the Mac Mini. We also connect audio to the ATEM TV Studio HD via XLR cables. We also record the audio since we publish Video and a separate Audio file. For remote location Audio we use a AKG Perception P120 recording mic to capture both the speaker and the room comments. The mic is connected to a Mackie ProFX8, which interfaces with the laptop via USB.

A.5. For both Sunday service and remote, we typically do not edit the video capture. If it does need editing we use Windows Movie Maker. The audio file is usually edited with Audacity before uploading. We change the audio to mono, trim to just the sermon portion, and apply compression.

A.6. For both Sunday service and remote location, we stream to Facebook. If there are internet issues we record and upload to Facebook. For Sunday service we use OBS software to stream to Facebook Live. For remote locations we use ManyCam software to stream to Facebook.

A.7. We use currently use Proclaim as our presentation software. We also use Planning center and tablets with the MusicStand app for singers and instruments. We use Shure 58's for our singers and one wireless Shure 58. Pastor uses a Countryman ISOMAX headset.

FBC Pocatello, ID – Submitted by Karl Pettit

1. Computer? For streaming we use PC desktop.
2. Camera? Sony SRG-300 HW (PTZ camera)
3. HDMI to USB conversion output device? Black Magic capture card has HDMI in/out, using via Black Magic Shuttle to convert signal via USB to same card.
4. Separate audio board? Currently, no. Working to create a matrix within sound board to build better signal.
5. Do you edit the final product? We broadcast with Wirecast software for capturing, creating and broadcasting. No. What you see is what you get:)
6. Online streaming service? Subplash is our website company. Our files are stored there and available. We are going to upload to our YouTube channel soon.
7. Other technical pieces? If not doing so already, run additional info or 'fun' videos prior to start of service. Most people log in early to check it out. Try creating a 'this is us' type church video for the folks who normally wouldn't step into your church.

Life.Church free resource Church Online Platform? We just signed up and are using it this weekend. It offers so much more than anything else that's out there in the way of additional links, add ons, and more. And it's FREE!!!!

Park Heights Church, Spokane, WA – Submitted by Devin Wolters

1. Computer? PC – HP but the real thing is to make sure you have enough ram. I'm running 16 gb.
2. Camera? I am using my iPhone 8, plugged into my computer and through OBS studio. The computer software is free, the iPhone app is about \$16 but it does a great job and puts you online to facebook or youtube, your pick. You cannot do both at the same time due to facebook's restrictions, but can record the facebook one then upload it to youtube later.
3. HDMI to USB conversion output device? Using the software mention above

you can use your iPhone with just a lightning cable.

4. Separate Audio Console? I just purchased a usb mic, the Yeti, and with the OBS studio I can mix the audio and visual perfectly.

5. Edit the final product? I'm going live, seems more exciting. After wards I will edit with just Youtube but there are some great software's out there.

6. Online service? Facebook live, then Youtube after.

7. Other technical pieces? Once we are back in the sanctuary we will have our mixer plugged into the computer directly for the best sound. OBS allows for multiple camera imputes so you can even show different views.

Praise Chapel, Everett, WA – Submitted by Tyrone Garay

1. Praise Chapel uses SlingStudio for online streaming. The equipment operates as a hub connecting wireless cameras (old iPhones can be used), producing and editing videos and uploading to Facebook Live or Youtube.com. Uses an iPad rather than a standard computer. For more information go to <https://www.myslingstudio.com>

B. ONLINE GIVING

ORIGINAL LIST OF QUESTIONS

1. What online giving service do you presently use?
2. Approximately, what percentage of giving comes in online versus other ways?
3. How do you promote with your congregation?

FBC Twin Falls, ID – submitted by David Graham

1. Online giving service? Sharefaith, Online and Text to Give
2. What percentage of giving comes in online? 30% online
3. Promotion? Announcements, Service Loop, Facebook and email. We have given step by step instruction on how to use the link

Palouse Church, WA – submitted by Tim Sievers

1. Online giving service? We use Breeze CHMS (www.breezechms.com) to manage our church data and to process online giving. It's all in one for \$50 a month.

2. What percentage of giving comes in online?

In 2019, nearly 10% of our General Fund revenue came through online giving. Additionally, it's been helpful for special events (it handles registrations and payments) like VBS, our Sunshine in Motion Fun Run for Camp Scholarships, Mental Health First Aid trainings, etc.

3. Promotion?

We do not heavily promote it to the congregation because we do take a small hit from online donations that covers the processing costs, etc. But it's a soft-sell in our weekly e-mail, monthly newsletter, it appears weekly in your YouVersion Event along with our sermon notes and other announcements.

Park Heights Church – submitted by Devin Wolters

1. Online giving service? [Tithe.ly](https://tithe.ly)

2. What percentage of giving comes in online? Just started but in light of not being able to come to the church this is now our primary way.

3. Promotion? Facebook, website, announcements.