

A PTZ Streaming System for around \$1000, the usual amount of Cascades Presbytery Tech Grants

If you apply for a Tech Grant you can get up and running with a PTZ system that won't break the bank. Normally we award congregations up to \$1000. After receiving a grant congregations normally will need to put up another \$200-\$300 to get their system completed.



This PTZ camera does not have a huge zoom range but if you do not have a large sanctuary, a 10X zoom should be adequate for you. [This camera costs a little over \\$600.](#) (note: larger zoom range cameras cost over 2x more.)

If you do not already have a laptop, this laptop should do . [It costs around \\$500 at Office Max](#)

For connecting the camera to the laptop, you will need a male to male USB cable. [\\$12.99](#)

The other Item you will need is an audio capture device. Many laptops allow you to capture audio through a headphone/mic combo jack but some have headphone output jacks only. This adapter will let you capture audio directly from your sound mixer in the sanctuary. [Adapter costs \\$20](#) (note: adjust input volume for organ music)

You will also need a cable and probably an adapter so you can connect to your sound mixer. It depends on what kind of audio out jacks you have on your sound mixer when considering what cable or adapter you will need. Many sound mixers have RCA tape record out jacks. Since the sound capture device above has RCA inputs, this cable would work. [For mixers up to 10 feet away \\$20](#) [For mixers that are up to 50 feet away \\$26.](#) [75 Ft. \\$31](#) More lengths available.

If you have only quarter inch outputs on you sound mixer you will need these adapters. [\\$10](#)

If you have female XLR out jacks only you will need this [\\$10 adapter](#)

If you have male XLR outputs only you will need [2 of these \\$8 adapters](#)

The PTZ camera can be mounted on a wall, a shelf or on a tripod.

With this system you can record to your laptop, stream to YouTube, or stream to your favorite streaming platform using the free [OBS software.](#) (Tutorials are available on the OBS website.) Also there are other inexpensive streaming software packages on the market. For instance: [vMix.](#) If you would like to add PowerPoint slides to your recordings, both of these software packages will allow that. (see the OBS and vMix sites for more information.)

[Here is the Tech Grant application that should be filled out if you want to apply.](#) Be sure you list the equipment with prices that you will be buying.