Our long-term approach for broadcasting Sacrament Meetings is to implement a system that is fully automatic – well almost!

By using a $15 digital AC Timer the wall-mounted camera's (PTZOptics20X) AC or POE power will be turned on and the camera will start broadcasting immediately (rtmp stream to youtube or church webcast server) 5 minutes before the meeting starts and then turn off 70 minutes later (5 minutes after scheduled end time). This timing cycle will repeat for every ward that meets in the bldg.

The camera's power-on ptz position (preset 0) will NOT be the pulpit, it will be a small sign that says "Broadcast will begin /resume shortly". By adding a magnetic reed switch to the side of the camera, using double stick tape, and placing the switch contacts in series with the audio connection of the camera, we can "connect" or "disconnect" the audio based on the "pan" position of the camera! Audio will be 'disconnected" whenever the camera is at the "Preset 0" (the small sign) position - audio will be "connected" when the camera is pointed anywhere else(Preset 1 – pulpit).

If the Bishop wants to broadcast the meeting he can use the camera's handheld IR remote control and press the "Preset 1" button which will move the camera ptz postion to the pulpit and also "un-mute" the audio. When it is time for the Sacrament ordinance, he simply presses the "Preset 0" button and the camera will rotate to the small sign and disconnect the audio. When the Sacrament is over, he presses "Preset 1" and camera moves to pulpit and audio is connected. Additional Presets are provided for a wider view of the pulpit and for musical numbers near the piano.

This automation is possible because the PTZOptics camera has a line level audio input and built in RTMP streaming.

This picture shows the magnetic reed switch attached to side of camera (ignore the rubber bands)



This picture shows the small sign that will be attached to the same wall bracket that holds the camera.

