

## CASE STUDY


**GOVERNMENT**  
 CITY HALL  
 COURT ROOM


## CUSTOMER SUCCESS STORY

### Learn how City Hall in Whitefish, MT records & live streams

The City of Whitefish, Montana upgraded their facility in 2017 to include a four camera video production system in the new court room. The system is used to improve recording and video streaming. The multi-camera switching system has been designed to allow a single operator to monitor and control all cameras to simplify the process producing high quality video recordings.

The video production system includes four ceiling mounted PTZ Optics 20X-SDI-GY-G2 second generation cameras connected to a vMix video switching system. Each camera can be used to zoom in to specific people of interest during the video recordings from the remote video production station. Also, included in the system is a fully programmable xKeys control surface with 124 programmable buttons to recall camera presets and other easy to access functions such as overlays.

## PRODUCT DETAILS



### PTZ Optics 12X & 20X SDI

Powerful PTZ capabilities with 3G-SDI 1080p video inputs for video conferencing.



### Ceiling Mount SKU: PT-CM-1-BK

This flush ceiling mount provides cable pass through capabilities along with a pleasing flush install.



### vMix Switching System

vMix is an extremely popular live streaming and video production software.



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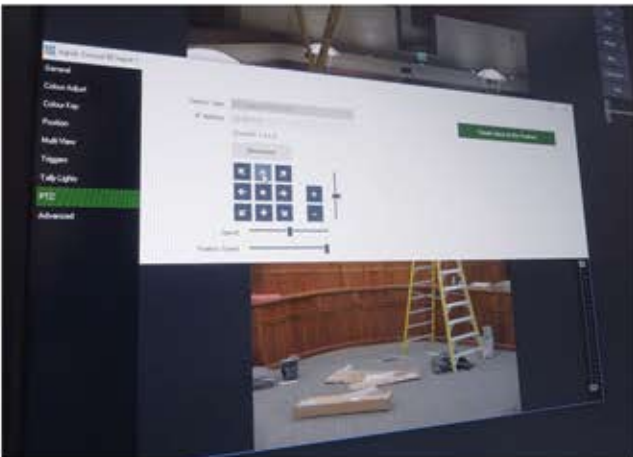
# Video Production



- The mount shown to the left is SKU: HCM-1-BK which is a wall mount installed upside down. This mount allows the city hall to install the camera on the lip of a ceiling beam .
- The City Hall uses HD-SDI camera models for long and reliable cable runs which they connect into a custom vMix system using an AJA Corvid PCIe capture card.
- The cameras can then controlled with an xBox controller, an xKeys pad and even via vMix with various options.
- Don't miss the full behind the scenes video of this installation available here:  
<https://ptzoptics.com/portfolio/government/>

## CAMERA CONTROL REMOTE AREA

Each PTZOptics camera also includes Ethernet control which is handled chiefly through vMix as you can see below. vMix then allows xKeys and an xBox controller to operate PTZ.



## ABOUT PTZOPTICS

PTZOptics provides high-quality video conferencing and broadcast cameras with HDMI, 3G-SDI, USB 3.0 and IP Streaming. Our approach to video camera manufacturing focuses on value. We strive to provide best in class features at affordable prices while we extend our reach with open source camera controls, free Crestron/Extron programming modules and amazing technical support.



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