

## CASE STUDY

### Beautiful Church Refit puts PTZ Optics at the Front End of Streaming Capability.

St Paul's Lutheran church in Melbourne had live streaming and video recording in its plans long before the Covid19 crisis hit. But the high level of video capability designed into their new sanctuary fitout looked very prescient when the congregation was prevented from meeting in the numbers it was accustomed to. Thanks to a broadcast system that relies on three PTZ Optics pan/tilt/zoom cameras, the church is well placed to stay connected with its entire congregation. The St Paul's church community moved from its former site in Ringwood (in Melbourne's eastern suburbs) into a refurbished and heritage-listed church building not so far down the road, albeit with more parking available and room for growth. The St Paul's Strategic Property Group, headed by David Pietsch, very astutely made the fitout's audiovisual capability a high priority, with one proviso: "We didn't want our services to look like 'church by technology', while acknowledging our requirements are quite technology intensive." One of St Paul's best development decisions was to engage an audiovisual integrator that speaks the house of worship 'language'. Mozaix, headed by director Paul Tucker, has made a name for itself in the house of worship market and quickly understood the church's demands on the technology.



#### PTZ OPTICS IN POSITION

Paul Tucker, in concert with AV consultants Hanson Associates, designed an AV streaming and video recording system that would be easy for volunteers and staff to operate, while providing the capability for more sophisticated productions when required. A Blackmagic ATEM TV Studio HD unit provides the video switching — taking video from the three PTZ Optics cameras via SDI (two fixed to the back wall and a third camera offering reverse angles of the congregation or musicians).

(Top) St. Paul's AV booth with the PTZ Optics controller. (Above) One of the PTZ Optics SDI cameras is mounted on the side of the sanctuary for a reverse view of the congregation and musicians. (Right) The newly restored space is designed to keep the conspicuous presence of technology to a minimum.



**Mozaix:**  
(03) 9558 0433 or  
[mozaix.com.au](http://mozaix.com.au)  
**Hanson Associates:**  
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A Blackmagic interface in the booth controls the TV Studio in the rack. A PTZ Optics controller marshals the PTZ cameras, controlling the 20x optical zoom and room presets.

"We've been pleased with the PTZ Optics cameras," remarks Mozaix director, Paul Tucker. "PTZ Optics has a whole page on its website devoted to SDI interfacing with the Blackmagic product — it's responded to its customers with the support required to integrate these products. "Seeing the church's lead AV operator using the system, controlling the cameras and pulling the shots for the online consecration service was great to observe. "It's a very capable AV video streaming and broadcast system. The church leadership were intent on making the technology as invisible as possible, and the PTZ Optics cameras have met that criterion — discreet yet powerful."

#### FEATURE PRODUCT PTZ OPTICS SDI HI-DEF CAMERAS

##### Camera Features:

##### Wide Dynamic Range:

High performance in low light scenarios with

##### Noise Reduction:

2D and 3D noise reduction with latest 'low noise CMOS sensor'

##### Full Frame Rates:

1080p-60/50/30/25, 1080-60/50, 720p-60/50/30/25

##### Broadcast Frame Rates:

1080p59.94/29.97, 1080i59.94, 720p59.94

##### Advanced White Balance Modes:

Simple One-push & New Kelvin Temperature Scale

##### Warranty:

3 Year Parts & Labor Manufacturer Warranty



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