PTZOPTICS

UNIVERSITY OF SOUTHERN CALIFORNIA

PARTNERSHIP SUCCESS STORY

Learn how this university is flipping the classroom one video at a time

Many schools around the world are transitioning away from traditional learning to a system of blended learning. The University of Southern California is on the forefront of this innovation. The Keck School of Medicine at the University of Southern California is "flipping the classroom one video at a time". Their system composed of PTZOptics NDI®|HX cameras, Wirecast Software, and use of The NewTek® NDI®. This allows them to capture, send, and stream video anywhere on campus all through the network. The PTZOptics cameras are used with a small audio mixer to capture audio. They are able to record broadcast quality 1080p video connecting the PTZOptics cameras using NDI® with Wirecast. Inside Wirecast, they can monitor a presentation and setup multiple camera presets.They use the NDI® scan converter to capture video from Power-Point presentations to be included in each recorded lecture. Wirecast provides the video mixing capabilities to setup picture and picture layouts.

SETUP DETAILS

PTZOptics NDI®|HX Cameras

Easily power, control, and send video over the network with PTZOptics ND® |HX Cameras.

Wirecast

Wirecast offers live streaming production software and hardware. It allows you to live stream, record, and output video.

NewTek NDI®

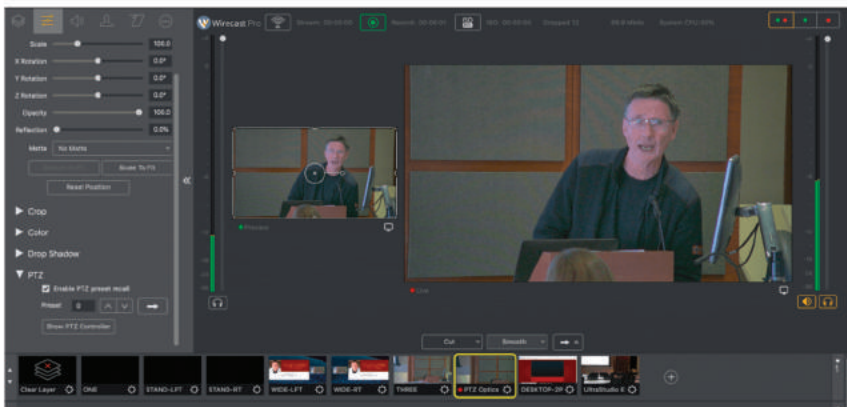This school uses NDI® to share video and audio anywhere on campus, all over the network.

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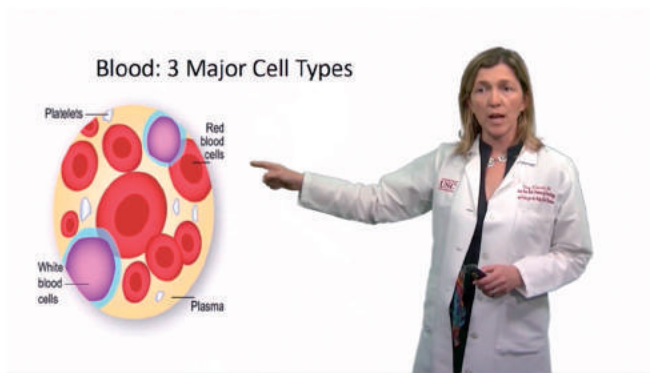152 Robbins rd, Downingtown, PA 19335, USA

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- **Lecture Capture:** The ability to capture and record video with this technology allows students to learn from home and look back at material for studying purposes.
- **Video Over IP:** With their extensive network, they are able to send and recieve video over ethernet, and remotely control their cameras.
- **Software for Learning:** Inside Wirecast, they connect cameras and monitor the presentation, as well as setup multiple camera presets. Wirecast also provides the video mixing capabilities to setup picture and picture layouts.

IMMERSIVE LEARNING

This technology allows USC to stream and record presentations, school events, training videos, online lectures, and more. Their on site studio uses tools like a green screen to display content behind a presenter, annotate over video, and place any virtual setting behind the talent.

PTZOPTICS CAMERA TEST FOOTAGE
Download our test footage for camera quality

Access more info on the cameras, raw test footage, and more case studies for education on our website. Access the test footage here:

https://ptzoptics.com/landing/test-footage.html

The above setup includes the PTZOptics NDI|HX Camera, being used to stream and record an on campus lecture. The camera operator is in a different location, an on site studio, controlling the camera over the network.

Check out our book by Paul Richards titled, "Live Streaming is Smart Marketing". Share with your students as an introduction to live streaming and growing a community LIVE. Find it on Amazon and Kindle.