High School Certification Ceremony Livestream

Huge thanks to Mobile Video Devices, Inc. (MVD) for making this livestream possible! Together, we brought the high school Career and Technology Certification Ceremony to online audiences with a seamless broadcast.

Powered by Telycam's **Explore SE** and **Vision+ 4KN** 30X PTZ cameras, the stream delivered crystal-clear visuals. A robust setup featuring vMix, NETGEAR M4250, and an advanced cellular bonding router from MIRI Technologies (under development by MVD) ensured stable, high-quality streaming.



The Challenge

Streaming a live certification ceremony presented specific technical demands:

- **Multi-Angle Coverage**: The system needed to capture both the stage speakers and audience reactions from various angles to reflect the event's energy and significance.
- **Network Stability**: A consistent, high-bandwidth connection was essential to transmit video and audio without interruptions, especially in a potentially crowded venue.
- **Audio Clarity**: Clear capture of speeches and crowd sounds required precise audio integration to maintain quality for remote viewers.

The Telycam Solution

To meet the demanding requirements of this live production, we deployed a professional-grade setup featuring video, audio, and network technology:

- **PTZ Camera System**: Telycam's Explore SE and Vision+ 4KN 30X PTZ cameras provided multi-angle coverage with 4K UHD resolution, 30x optical zoom, and automatic tracking, ensuring clear visuals for both wide-stage views and close-ups.
- **Live Production & Switching**: vMix live production software managed real-time multi-camera switching, integrating stage presentations and audience reactions smoothly for a cohesive broadcast.
- **Network Infrastructure**: The NETGEAR M4250 managed switch ensured stable AV-over-IP transmission, while the MIRI Technologies cellular bonding router combined multiple network connections to maintain a reliable, high-bandwidth stream.
- **Audio Capture**: A Dante-integrated podium microphone delivered clear speech, while a Rode microphone captured audience reactions, providing a balanced and immersive audio experience.





The Result

With Telycam's PTZ cameras, we successfully delivered a high-quality livestream of the high school Career and Technology Certification Ceremony, with seamless switching and stable connectivity, no complex setup required. This allowed them to focus on capturing and sharing the event with clarity and precision.

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