

Live Production with SMPTE ST 2110 & AMWA IS-04















LIVE PRODUCTION HAS STRINGENT REQUIREMENTS

- Low Latency
- 100's of signals
- Real-time responsiveness
- Separate video & audio manipulation



SMPTE ST 2110 meets these requirements...in IP



BENEFITS OF IP IN LIVE PRODUCTION

- Scalability
- Redundancy
- Resource Sharing
- Format Flexibility

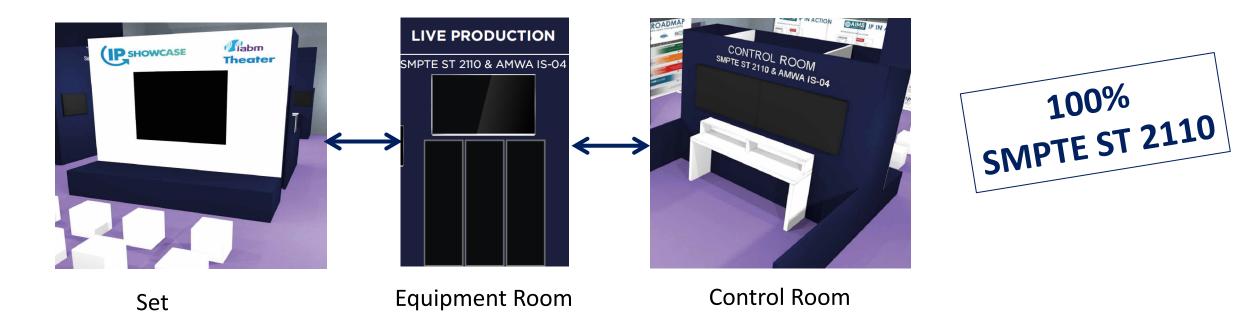


Systems are already on-air today that exceed SDI systems in respect to these benefits



TODAY'S DEMONSTRATION

• A fully functional live production system using 100% SMPTE ST 2110 signals as well as AMWA IS-04 Registration and Discovery





TODAY'S DEMONSTRATION

- A fully functional live production system using 100% ST 2110 signals
 - Vision Mixer
 - Audio Console
 - Two Main IP Multiviewer Screens
 - Two Cameras
 - IP Showcase Theater Stage Audio
 - Presentation Screen Video from Stage
 - Character Generator
 - Live Graphics
 - Replay / SloMo
 - Audio Monitoring
 - Waveform / Network Monitoring
 - Intercom (fixed and wireless)
 - Tally Integration

...with AMWA IS-04 Registration & Discovery simplifying system integration





SMPTE ST 2110 BASED PRODUCTION IS HERE

REPRESENTATIVE INSTALLATIONS*





ON AIR DATE

May, 2017

Removes traditional SDI matrix limitations



LINKED IN MULTI-CAMPUS PRODUCTION San Francisco/Mountain View/ Dublin/Chicago/New York

 Dublin/Chicago/New York
 SMPTE ST 2059 (Q3 2017)

 DESCRIPTION
 IP BENEFITS

 Multiple production facilities which are interoperable, Long-term Infrastructure remotely managed and control incom
 Format Hexibility

remotely managed and controlled. Control room Format which can produce shows from various venues ON AI

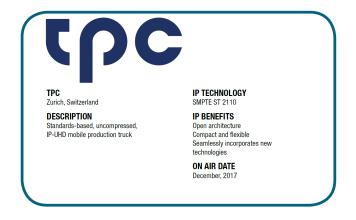
ON AIR DATE June, 2016 – 2018 (various)

IP TECHNOLOGY

SMPTE ST 2022-6 (currently)

SMPTE ST 2110 / AES67 (Q3 2017)







*Representative live production systems using SMPTE ST 2110 which are on-air now or plan to be in the next 6 months

large scale complex OBs simultaneously

in uncompressed 4K

UHD HDR and 4K UHD SDR