Today, even the simplest of processing equipment can have enough memory to delay video or audio a significant amount to introduce a human discernible lip-sync error - when the audio is not timed correctly to the action on the screen. Some system designs have the video and audio de-coupled from each other taking a separate path from source to destination, which becomes even more challenging to manage.

Managing audio and video timing in a broadcast environment can be a tedious and frustrating undertaking involving many man-hours of troubleshooting to determine where the audio and video are drifting in time. Evertz has recognized this globally common dilemma and has engineered IntelliTrak™ as the solution to monitor and correct lip sync error in real-time and within real program content.

IntelliTrak™ has been designed to accurately measure the lip sync error between the audio and video by analyzing the content at an origin point and then comparing that to a final destination point. IntelliTrak™ does not introduce any type of watermarking or flag insertion into the stream and therefore operates in a completely non-intrusive manner.

This technology can be applied to a number of Evertz products, including frame synchronizers, protection switches, multiviewers and many more!

### Features & Benefits

- Non-intrusive in-service lip sync error measurement
- Tracks lip sync with up to 10 s of latency between signals
- Accurate reporting within +/-1 ms
- Works with all types of audio and video signals
- Supports multi-channel audio (such as 5.1 and Dolby encoded signals)
- Designed to report lip sync error through all sorts of processing
- For use within plant or external with outdoor broadcasting units

### Designed to Fit into Any System

IntelliTrak™ has been designed to blend into existing systems with minimal effort. There are several ways to implement IntelliTrak™ depending on the available infrastructure.

### Ordering Information

**+IT IntelliTrak™ Non-Intrusive Lip Sync Analyzer**

Option to be specified at time of order with supporting product.

- 7800DA8-3G 3GHD/SD-SDI Intelligent 1x8 Distribution Amplifier
- 7822AE8-3G 3GHD/SD-SDI 8 AES Audio Embedder
- 7822AE4-3G 3GHD/SD-SDI 4 AES Audio Embedder
- 7822AD8-3G 3GHD/SD-SDI 8 AES Audio De-embedder
- 7822AD4-3G 3GHD/SD-SDI 4 AES Audio De-embedder
- 7822AD1-3G 3GHD/SD-SDI 1 AES Audio De-embedder
- 7848FSE-3G 3GHD/SD-SDI Advanced Frame Synchronizer with Embedded Audio
- 5601MSC Master SPG/Master Clock System - 3G / 3D Test Generation and IRIG support
- 7860M2-HD IntelliMatch HD/SD-SDI Signal Monitoring and Content Comparison
- VistaLINK® PRO Control and Monitoring Application Software