

## ELECTRONIC CINEMA INTERFACE

Compact single rack unit fits in a standard nineteen inch rack. Units come with and internal universal power supply and is an affordable interface to adapt electronic cinema audio sources to older cinema processors.



### INPUTS

- Three bitstream inputs with Dolby® digital decoding for alternative content
  - Two channel analog input with matrix decoding
  - Six channel discrete analog input
  - Six channel bypass/film input
- Optional eight channel AES-EBU digital input card

### OUTPUTS

- Six channel 300mV analog output to cinema processor
- Channels 7 and 8, 300mV analog outputs for alternative languages

### TIME DELAYS

- Adjustable global time delay to compensate for the video projector plus a time delay for surround channels

### CONTROL AND MONITORING

- DB25 automation control with pulse logic to interface with older cinema processors
- Optional ethernet control of formats, plus remote monitoring of levels and format selection

# ECI-60

## ELECTRONIC CINEMA INTERFACE UNIT

A good choice for Digital Cinema conversions

Required Features	USL, INC. ECI-60	Early Cinema Processors
Multi-channel digital inputs.	YES	NO
Global and surround time delays on the multi-channel inputs.	YES	NO
Ethernet automation control.	YES	NO
Remote monitoring capability.	YES	NO
Digital bitstream inputs, an AC3 decoder and associated time delays.	YES	NO
Global and surround time delays on the two channel analog inputs.	YES	NO

Installation of a digital projector allows the cinema to be able to show not only standard Hollywood movies but also a variety of alternative content.

**What is required for an audio interface from a movie server to older processors?**

An eight channel AES-EBU digital to analog conversion.

Six analog channels to the cinema processor and two channels to an IR transmitter for ADA compliance and alternative languages.

Synchronization time delays to compensate surround channels and if necessary to compensate for the 80+ms Digital Projector delay.

**What is required for an audio interface from a standard definition satellite feed?**

A two channel analog input with the 80+ms Digital Projector delay.

An optional matrix decoder with surround delay.

**What is required for an audio interface from a high definition satellite feed or DVD player for a special presentation?**

A bitstream input with an AC3 decoder.

Synchronization time delays to compensate surround channels and to compensate for the 80+ms Digital Projector delay.

**Conclusion**

The USL, Inc. ECI-60 meets the audio interface needs for Digital Cinema conversions by providing multi-channel AES-EBU inputs, a variety of bitstream inputs with AC3 decoding and two analog inputs. It also provides all the required synchronization time delays and a variety of automation control from simple pulse logic to Ethernet. Finally, it includes the capability of remote control and monitoring.

Some of the D to A converter boxes will allow the interfacing of a Digital Cinema Server to an older cinema processor, however, they usually do not offer synchronization delays or any other inputs for alternative content.

**When choosing a system for Digital Cinema conversions  
be sure to evaluate product features and options!**