

# LSS-100P

## Light & Sound Sensor



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Digital cinema technology is far more complex than 35mm film. Cinema owners need a simple automated solution to ensure presentation quality of every show. The LSS-100P is designed to do exactly this.

- Monitors screen light levels and chromaticity
- Monitors levels of all audio channels
- Monitors IR performance of ADA equipment
- Email alerts automatically sent to technicians\*
- Database software available to monitor numerous cinema auditoriums
- Simple installation with Power over Ethernet (POE) capability
- Patented Technology



\* Requires external database server

181 Bonetti Drive  
San Luis Obispo, CA 93401-7397 USA  
(Ph) +1 805.549.0161 (Fax) +1 805.549.0163  
uslinc@uslinc.com www.uslinc.com

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Precision Sound • Light • Color



# LSS-100P Light & Sound Sensor

## ○ ○ ○ ○ ● SPECIFICATIONS

- Measures sound pressure level (dB(C), luminance ( $\text{cd}/\text{m}^2$  and fL), and chromaticity (x,y).
- Measurement repeatability: 1dB (SPL), 2% (luminance), .003 (chromaticity).
- Separate luminance detector with photopic spectral response for accurate measurements with a variety of light sources.
- IR sensor measures illumination of screen by HI/VI-N/CC emitter.
- Web browser view of live and logged data.
- User defined scripts synchronize measurements with test content playback.
- Scripts include user defined description of measurement and minimum and maximum limits.
- Scripts triggered by single TCP command or contact closure.
- Logged data can be posted to server as XML.
- Power with included USB power supply or Power Over Ethernet (user supplied power injector).

## ○ ○ ○ ○ ● UPCOMING FEATURES

- CP850 test mode. Script command places Dolby CP850 in or out of test mode to test all speakers in an Atmos auditorium.
- Audio/Video sync. Determines offset between flash on screen and pop in sound to ensure audio and video are synchronized for live events.
- Speaker distortion measurement. Measures total harmonic distortion of a tone to detect speaker rattle and similar failures.
- Sound exposure level. Measures sound exposure level to help ensure compliance with local regulations.
- Projection Lamp Flicker measures amount of flicker in projector and identifies faulty bulbs.

