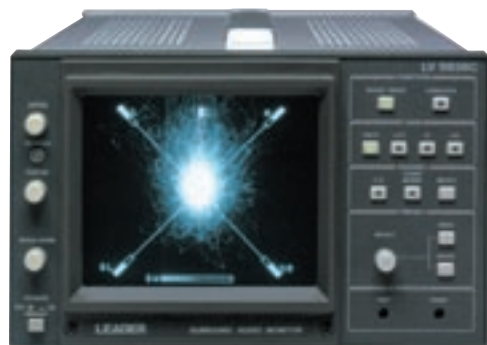


# LV 5836C

LEADER



5.1  
System

The LV 5836C Surround Audio Monitor displays the sound image of multi-channel audio signals used in the 3-1, 3-2 type of HDTV and 5.1 System. (AC-3 Decoder is not supplied) The instrument is ideally suited for monitoring and editing, analog and digital AES/EBU, applications in the mixing room for TV broadcast and post production. The sound image display of the unit was developed in cooperation with the Japan Broadcasting Corporation, NHK.

## ● LV 5836C REAR PANEL



## FEATURES

- **Digital Signal Processing**  
The digital signal processor (DSP) enables stable and fast measurement of the sound image, level, and phase.
- **Sound Image Display**  
The sound breath or locality of the multi-channel audio signal of the 3-1 and 3-2 types and Dolby digital can be observed with the sound image display.
- **Lissajous Display**  
The lissajous display is used to check the phase and polarity between selected two channels of the multi-channel signal. Since the

## For Multi-channel Audio Signals (3-1, 3-2 & 5.1 Systems) Digital and Analog Input Systems

multi-lissajous mode displays six lissajous simultaneously, the polarity of the multi-channel signal system can easily be checked.

The down mixing mode enables down mix displays of the selected two channels from the multi-channel signal.

Two lissajous display systems are provided; normal lissajous to display the pattern on the 0 to 90° axes, and matrix lissajous to display the pattern on the 45° axes.

### • Bargraph Level Meter

The digital 8 channel bargraph level meters or the analog 6 channel bargraph level meters can be displayed in full screen mode or with the sound image or lissajous.

### • Phase Meter

The phase meter can be displayed along with the sound image or lissajous to check the polarity of two input signals.

### • Channel Status

Each digital channel status can be displayed when measuring digital input signal.

### • Analog Input

The balanced and unbalanced inputs are provided to connect various audio equipment.

Additionally for balanced XLR inputs pin 2 or 3 may be selected as positive polarity.

### • Digital Input

The digital input is 8-channel for the 5.1 system in the form of AES/EBU. (75Ω BNCx4)

### • Other Features

Automatic gain control always displays a waveform in suitable size for easy observation.

Spot killer prevents CRT burn-in while no signal is input.

FAST or SLOW meter ballistic response characteristics are selectable.

# 5835

LEADER



PAT. PEND.

The 5835 is a Stereo Audio Monitor that provides a lissajous pattern display of stereo audio signal on a CRT screen, enabling monitoring of the phase and level of the signal. The lissajous pattern display of the stereo signal is provided with the left and right axes inclined at 45 degrees, enabling a good visual presentation of audio effects such as broadening and apparent position.

The 5835 features a stereo polarity discrimination function, a spot killer, and two Cannon-type inputs, making it ideal for use in not only program editing, but in checking of transmission equipment as well. All this makes the 5835 a useful stereo audio monitor for broadcast studio, production studio and recording studio or remote pickup applications as well.

## ● 5835 REAR PANEL



## Lissajous Display of Stereo Audio Signals Display with LED of Stereo Polarity Discrimination

## FEATURES

- Parallel connected male and female type XLR Cannon connectors are provided as standard for the balanced input configuration, enabling direct monitoring the lines required in broadcasting studio, production studio, recording studio, and remote pickup applications.
- A stereo polarity discrimination function (patent pending) enables easy extraction and screen display of the audio signal during editing of commercial tapes, and when monitoring the output waveform from a broadcast stereo signal. This greatly simplifies the task of checking the phase of the stereo signal.
- The 5835 is housed in a standard EIA half-rack size cabinet, simplifying rack mounting and use in systems in combination with other equipment.
- A 150 mm post-acceleration (12 kV) type CRT ensures a bright display.
- The scale-illumination lamp can be replaced easily from the front panel.
- A spot killer blanks the trace with no signal applied to prevent burn-in of the CRT phosphor.