The LT443D Signal Generator can be flexibly used for the multi-format digital broadcast systems. Various plug-in units enable the output of SDI signals (i.e. HDTV, SDTV), sync signals, and analog signals. By using these signals and genlock functions, users can customize this signal generator as desired.

**MAIN FEATURES:**

- **Plug-in units provide various functions.** Up to four plug-in units can be installed in the mainframe, users can customize this signal generator as desired. **NOTE:** The plug-in unit is installed at the factory, user cannot replace the unit.
- **For the SDI signals,** 14 HDTV format unit and 525 line/625 line SDTV unit are provided. The NTSC/PAL analog video signal unit is also available. Since each unit can output the signal simultaneously, a multi-format system can be constructed to satisfy user's requirements.
- **Two units can simultaneously output HD signals** with 74.25 MHz clock and 74.25/1.001 MHz clock.
- **Reading logo mark data**
- **For today’s modern age of digital TV systems,** Black Burst signal (for NTSC/PAL) and HDTV tri-level sync signals can be generated from the analog black burst unit.
- **Ethernet capability provided as standard.** This feature can remotely control various functions and monitor the genlock status.
- **Leader’s traditional design and operability concepts** are also reflected on this instrument. User friendly operation includes significantly reduced power-on initialization time.
- **Compact flash memory card slot available to store/ read preset data, read logo mark data and “Natural Picture” data**.*

**DIMENSIONS (W x H x D):** 16 3/4" x 1 3/4" x 22" (426mm x 44mm x 560mm)

**WEIGHT:** 7 Kg (15.4 Lbs)* *with four plug-in units installed.

**POWER REQUIREMENTS:**
- **Voltage:** 90 to 250 VAC, 50/60 Hz
- **Power Consumption:** Approx. 150 W max.

*1: When option LT443D-OP70 is installed in the mainframe
AVAILABLE MODULES:

- **LT443D-DA DIGITAL AUDIO MODULE**: Generates AES/EBU digital audio test signals. Four pairs of AES/EBU audio signals are provided for a total of 8 channels. Output level and frequency can be independently set for each output system. Digital audio can be swung from -60 dBFS to 0 dBFS. Test tones can be set from 50Hz to 20KHz and silence.

- **LT443D -BL ANALOG BLACK MODULE**: Adds the 20 HDTV format analog tri-level sync signal, 525p/625p analog sync signals, and NTSC/PAL black burst signals output. It consists of 3 independent systems, each with 2 outputs, to provide simultaneous multiformat black sync signals.

- **LT443D -GLA GENLOCK MODULE**: This unit provides genlock capability to lock the LT443D mainframe with the external reference signal, and three independent black signal generators. NTSC/PAL black burst signals, 20 (main) types of HDTV analog tri-level sync signal formats, and 525p/625p analog sync signals can be used as an external reference signal.

- **LT443D -HD (HD-SDI) MODULE**: This module can generate 14 formats HD-SDI when used with the mainframe. Available functions include Logo and ID character display, embedded audio, simple motion of 16 test patterns or NATURAL picture*1.

- **LT443D -HDB GENERATOR MODULE**: It has all the features and functions of the LT443D-HD high definition multiformat generator plus 2 standard HD digital black outputs.

AVAILABLE OPTION:

- **LT443D - OP70**: Adds the natural picture pattern output to the LT443D. A compact flash memory card is used as an additional memory to store the NATURAL picture pattern.