

LT443D MULTI FORMAT VIDEO GENERATOR

Versatility at your Fingertips



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

MAIN FEATURES:

- 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 SDI signals, HDTV format module and 525 line/625 line SDTV module are available.
- Each unit can output the signal simultaneously, therefore 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
- In 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*1.

■ **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.
- **LT443D -SDB GENERATOR MODULE:** It has all the features and functions of the LT443D-SD standard definition multiformat generator plus 2 standard SD 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.