

LT443D MULTI FORMAT VIDEO GENERATOR

Versatility at your Fingertips



The LT443D Signal Generator can be flexibly used for the multiformat 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*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 picture¹.
- **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.