LT4600 MULTI FORMAT VIDEO GENERATOR
Compact Video Generator with 3G Capabilities

LT4600 Front Panel

LT4600 Rear Panel

The compact, 1U half-rack sized, LT4600 Multiformat Video Generator is applicable to 3G-SDI[1], HD-SDI and SD-SDI systems. Various output capabilities, such as color bar, SDI check field test pattern, ID characters, logo mark in QVGA size, safety area marker, embedded audio, genlock model for external reference synchronization, and three independent analog black signal systems. Lip Sync function is part of the key features in this product.

MAIN FEATURES:

- Accepts 3G-SDI[1], HD-SDI and SD-SDI systems.
- SDI Outputs can be used independently from each other.
- The ID characters can be superimposed at any arbitrary position on the screen.
- A logo mark, up to 320 (pixels) by 240 (lines) in QVGA size can be superimposed at any arbitrary position on the screen. Logo is converted from bitmap to four-grade monochrome data.
- A 90% and 80% safety-area markers can be superimposed on the screen.
- Lip Sync Function included as standard.

(1) 3G-SDI and lip-sync for 3G-SDI signal will be added in the future

- A 4:3 aspect ratio marker can also be superimposed in 3G-SDI[1] or HD-SDI formats.
- Simple motion picture mode is provided to scroll the pattern.
- The 32 channels of embedded audio signals (link A and link B - each 4ch x 4 groups) for 3G-SDI (level B), and the 16 channels of embedded audio signals (4 ch x 4 groups) can be superimposed. The frequency and level can be respectively set for each channel.
- The instrument can be locked to NTSC/PAL black burst or HDTV tri-level sync signal.

MAIN FEATURES (continued):

- In case of genlock input errors, a Stay-In function is available.
- Three independent analog black signal outputs are provided. The black burst signal with the same format as the SDI output, or HDTV tri-level sync signal with the same format of clock frequency can be selected for variable timing.

- A 48 KHz word clock output and a 48 KHz AES/EBU output is provided to synchronize the audio signal.
- It supports SNMP protocol to easily construct a network system.
- USB slot available on the front panel to save and update user data settings.

- **DIMENSIONS (W x H x D):**   8.39" x 1.73" x 15.75" (213mm x 44mm x 400mm)