

SYNC GENERATOR

LT 4110

LEADER



1U size

New

High Grade Sync Generator

The LT 4110 is an analog black signal generator with CW lock and genlock functions.

FEATURES

- Equipped with 4 pairs (8 channels) of analog black outputs. The timing of each pair can be varied independently. Each output signal can be set to HDTV tri-level sync signal, NTSC/PAL black burst signal with field reference pulse, or NTSC black burst signal with 10 field IDs.
- Equipped a CW 10 MHz input that enables CW locking. A holdover function is available in case errors occur at the CW input.
- Genlock is used to synchronize to HDTV tri-level sync signals and NTSC/PAL black burst signals. A Stay-in-Sync function is available in case errors occur at the genlock input.
- Standard equipped with SNMP.
- Supports hot-swap capable redundant power supplies (option).



- The fan unit can easily be replaced even when the power is turned on.

SPECIFICATIONS

Analog Black Output Compliant Standards NTSC Black Burst Signal PAL Black Burst Signal HDTV Tri-level Sync Signal Output Signal Output Format Setting	SMPTE ST RP154, SMPTE ST 170, SMPTE ST 318 EBU N14 SMPTE ST 274, SMPTE ST 296 8 (1 pair 2 outputs x 4) Each of the 4 pairs can be configured independently.
Genlock Stay in Sync Function Hold Accuracy	Holds the genlock input frequency when the genlock signal is cut off 1 x 10 ⁻⁷ /h (25 °C constant)
CW Clock Input Frequency Holdover Function Hold Accuracy	10 MHz Holds the CW input frequency when the CW signal is cut off 1 x 10 ⁻⁷ /h (25 °C constant)
External Interface Ethernet Function SNMP USB	Transmission of operating status (GENLOCK sync status, etc.) SNMP v1 USB 1.1 compatible
Rear Panel Fan Unit Fan Unit Replacement	Hot-swap capable
Power Supply Unit Redundancy Installable Units Power Supply Unit Replacement	Available (when the optional redundant power supply unit is installed) 1 2 (maximum, when the option is installed)
Power Supply	AC 90 to 250 V, 50/60 Hz
Power Consumption	Approx. 75 W max.
Dimensions	426 (W) x 44(H) x 450(D) mm (excluding protrusions)
Weight	Approx. 10 kg or less
Accessories	Instruction Manual 1 Inlet stopper 2 Power cord 2 Rack support (with screws) 1 set

SYNC GENERATOR

LT 4100



1U size

New

Sync Generator

The LT 4100 is a sync generator that outputs HD-SDI or SD-SDI signals and six analog black signals.

FEATURES

- **HD-SDI and SD-SDI Formats**
Both HD (four formats) and SD (two formats) are supported.
- **Audio Embedding**
The LT 4100 can embed eight channels (four channel_two groups) of audio signals.
- **Analog Black Output**
Equipped with six black signal outputs.
The LT 4100 can output black burst signals in the same format as SDI output signals or tri-level sync signals.
- **1U, Full Rack Size**

SPECIFICATIONS

Black Burst output System and other System NTSC/PAL black burst HDTV TRI sync Output System and other System Number of Outputs	ITU-R BT.470-6 SMPTE ST 274, ITU-R BT.709 black burst, TRI sync 6
SDI video output HD SD Number of Outputs	1080i/59.94, 1080i/50, 1080p/ 59.94(4:2:2 DUAL LINK), 1080p/50(4:2:2 DUAL LINK) 525i/59.94-270 MHz 625i-50-270 MHz 2 outputs (HD-SDI/SD-SDI switching)
Color Bar 1080i/p 525i 625i	ARIB STD-B28 SMPTE EG1-1990 ITU-R BT.471
Embedded Audio Number of Channels Embedded Frequency Level	8 Channels (4ch x 8group). 1 kHz -20 dB
Power Requirements	AC 90 to 250 V, 50/60 Hz
Dimensions	426(W)x44(H)x400(D)mm 16 3/4(W)x1 3/4(H)x4 5/8(D) inch, (excluding projections)
Accessories	Instruction manual 1 Power cord 1 Rack support 1 set